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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MIDWAY --ETC(U)
JUL 78

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UNCLASSIFIED

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1 OF 4
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NAVAL OCEANOGRAPHY AND METEOROLOGY

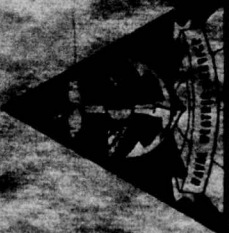
S M O S

(Summary of Meteorological Observations, Surface)

Prepared by
Naval Weather Service Detachment
Federal Building
Asheville, N. C. 28801

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Station: MIDWAY ISLAND

Date: JULY, 1953

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Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO ON SUMMARY		STATION NAME		LONGITUDE		STATION ELEV. (FT.)		CALL SIGN		WMO NUMBER	
22701		Midway Island		28°12'N		177°23'W		13		PMDY	
										91066	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		CBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office on top of command post building	Navy	1949	1958	28°12'N	177°23'W	42.4	Mercurial	24
2.	Same as above	"	1958	1961	"	"	32	"	24
3.	Weather office	"	1961		"	"	34	"	24
1a.	GMQ-14 console	"	1972		"	"	34		
SURFACE WIND EQUIPMENT INFORMATION									
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	TYPE OF			HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE		
			TRANSMITTER	RECORDER	TYPE OF RECORDER				
1.		Atop building #521	Selsyn	Double register	Double register	91' MSL	1. Barograph (ML-3) 2. Semi-auto met station (AN/GNQ-14A) 3. Ceiling light (ML-121) 4. Cloud height set (AN/GNQ-B) 5. Theodolite (ML-247) 6. Radiosonde/Rawinsonde set (AN/GMD-10B) 7. APT System (AN/GKR-7)		
2.	Relocated 1954	Atop building #585	"	"	"	82' MSL			
3.	Installed 1955	Atop building #581	AN/UNQ-5	RD-108	RD-108	72' MSL			
4.	1958	Air operations hangar roof	"	RD-108B	RD-108B	93' MSL			
5.	1960	2051' S. weather office	AN/UNQ-5C	"	"	15'			

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWS), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701
STATION

MIDWAY ISLAND

STATION NAME

79-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		15.5				15.5	.6				.6	155
	04		9.0				9.0	1.3				1.3	155
	07		11.0				11.0		.6			.6	155
	10		12.9				12.9	.6				.6	155
	13		9.7				9.7						155
	16		10.3				10.3						155
	19		9.7				9.7					1.3	155
	22	.6	12.3				12.3						155
TOTALS		.1	11.3				11.3	.3	.1			.6	1240

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701 STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		9.2				9.2	1.4				1.4	141
	04		10.6				10.6	.7				.7	141
	07		13.5				13.5	.7				.7	141
	10		11.3				11.3						141
	13		7.1				7.1						141
	16		6.4				6.4					1.4	141
	19		12.8				12.8					.7	141
	22		9.2				9.2	.7				.7	141
TOTALS			10.0				10.0	.4				.7	1128

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MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01	.6	11.0				11.0	.6				.6	155
	04		7.7				7.7						155
	07		6.5				6.5						155
	10		11.6				11.6				.6	.6	155
	13		14.2				14.2		.6		.6	1.3	155
	16		8.4				8.4		1.3		.6	1.9	155
	19		7.7				7.7					.6	155
	22		7.7				7.7	.6				1.3	155
TOTALS		.1	6.4				9.4	.2	.2		.2	.6	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		8.0				8.0						150
	04		5.3				5.3						150
	07		4.7				4.7						150
	10		2.7				2.7						150
	13		3.3				3.3						150
	16		2.7				2.7						150
	19		4.0				4.0						150
	22		8.0				8.0		.7			.7	150
TOTALS			4.8				4.8		.1			.1	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		5.8				5.8						155
	04		5.2				5.2						155
	07		5.8				5.8						155
	10		3.2				3.2						155
	13		5.2				5.2				.6	.6	155
	16		5.2				5.2						155
	19		6.5				6.5						155
	22	.6	6.5				6.5						155
TOTALS		.1	5.4				5.4				.1	.1	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01		3.3				5.3	.7				.7	150
	04		8.0				8.0						150
	07		5.3				5.3	1.3	.7			2.0	150
	10		5.3				5.3					.7	150
	13		4.7				4.7					.7	150
	16		3.3				3.3						150
	19		4.0				4.0						150
	22		4.0				4.0						150
TOTALS			5.0				5.0	.3	.1			.5	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701 STATION MIDWAY ISLAND STATION NAME 73-77 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.3	1.9				1.9						155
	04	.6	5.2				5.2	.6				.6	155
	07		5.2				5.2						155
	10	.6	3.9				3.9		.6			.6	155
	13		5.8				5.8						155
	16		3.2				3.2						155
	19		2.6				2.6						155
	22		3.9				3.9						155
TOTALS		.3	4.0				4.0	.1	.1			.2	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	.6	4.5				4.5						155
	04		5.2				5.2						155
	07		5.8				5.8						155
	10		2.6				2.6						155
	13		1.9				1.9						155
	16		3.2				3.2						155
	19		.6				.6						155
	22		4.5				4.5						155
TOTALS		.1	3.5				3.5						1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		3.3				3.3						150
	04		5.3				5.3						150
	07		4.0				4.0						150
	10		4.0				4.0						150
	13		6.7				6.7						150
	16		2.0				2.0						150
	19	.7	2.0				2.0						150
	22	1.3	3.3				3.3						150
TOTALS		.3	3.8				3.8						1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

UNION

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UNION

OCT
MONTH

YEARS

73-77

STATION NAME

MIDWAY ISLAND

22701
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		4.5				4.5						155
	04		7.1				7.1						155
	07	1.3	4.5				4.5	.6				.6	155
	10	.6	3.2				3.2		.6			.6	155
	13	.6	3.9				3.9						155
	16	1.3	5.2				5.2						154
	19		3.9				3.9						154
	22		5.2				5.2						154
TOTALS		.5	4.7				4.7	.1	.1			.2	1237

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01	.7	7.3				7.3						150
	04		8.7				8.7						150
	07		11.3				11.3						150
	10		8.7				8.7	.7				.7	150
	13	.7	10.7				10.7	.7				.7	150
	16	.7	9.3				9.3		.7			.7	150
	19	.7	8.7				8.7						150
	22		9.3				9.3						150
TOTALS		.4	9.3				9.3	.2	.1			.3	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

0800

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0800

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		9.2				9.2						153
	04		9.8				9.8						153
	07		7.8				7.8						153
	10		11.8				11.8	.7				1.3	153
	13		7.8				7.8	.7	.7			2.6	153
	16		10.4				10.4	1.3	.6			2.6	154
	19		6.5				6.5						154
	22		10.4				10.4						154
TOTALS			9.2				9.2	.3	.2			.8	1227

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

22701
STATION

MIDWAY ISLAND

STATION NAME

72-77

YEARS

ALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.1	11.3				11.3	.3	.1			.6	1240
FEB			10.0				10.0	.4				.7	1128
MAR		.1	9.4				9.4	.2	.2		.2	.8	1240
APR			4.8				4.8		.1			.1	1200
MAY		.1	5.4				5.4				.1	.1	1240
JUN			5.0				5.0	.3	.1			.5	1200
JUL		.3	4.0				4.0	.1	.1			.2	1240
AUG		.1	3.5				3.5						1240
SEP		.3	3.8				3.8						1200
OCT		.5	4.7				4.7	.1	.1			.2	1237
NOV		.4	9.3				9.3	.2	.1			.3	1200
DEC			9.2				9.2	.3	.2			.8	1227
TOTALS		.2	6.7				6.7	.2	.1		.0	.4	14592

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

22701
STATION

MIDWAY ISLAND

STATION NAME

49-77

YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	1.9	74.0			.1	74.0	2.6	3.5		.1	5.7	897
FEB		.7	66.9				66.9	3.2	2.7			5.5	819
MAR		.8	59.4				59.4	3.0	4.6			7.3	899
APR		1.6	55.6			.1	55.6	2.2	2.9			4.4	870
MAY		1.2	49.5				49.5	2.2	2.4			4.3	899
JUN		.8	50.6				50.6	2.1	1.3			2.6	842
JUL		4.7	68.7				68.7	.2	.2			.5	868
AUG		3.9	67.7				67.7	.2	.3			.6	868
SEP		3.5	64.4				64.4	.1	.1			.2	840
OCT		2.8	64.4				64.4	.6	.4			1.0	899
NOV		2.8	68.0				68.0	1.5	1.8			3.1	870
DEC		1.0	65.0			.1	65.0	1.8	1.7			3.2	896
TOTALS		2.1	62.8			.0	62.8	1.6	1.8		.0	3.2	10467

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701 STATION MIDWAY ISLAND JAN 73 - DEC 77 YEARS MONTH JANUARY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.3	8.9												89.9
NNE	3.8	3.8												92.5
NE		5.0												95.0
ENE		6.9												93.1
E		2.2												97.8
ESE	10.5								2.6					86.8
SE	3.2	3.2												93.5
SSE	4.9	7.3							2.4					85.4
S	7.6	4.3	1.1						1.1					85.9
SSW	4.3	8.5												87.2
SW	1.7	5.8							.8					91.7
WSW	3.9	14.5												81.6
W	4.3	12.9									.7			82.1
WNW	1.0	9.6												89.4
NW	2.4	8.9						.8						87.0
NNW	1.1	8.0												90.8
VARIABLE														
CALM	8.3	6.8	4.5											86.4
TOTAL	39	98	3					1	4			1		1093
% TOTAL	3.1	7.9	.2					.1	.3			.1		88.1

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

FEBRUARY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.6	6.1	1.5											86.4
NNE	1.1	15.4												83.5
NE	4.7	7.0												87.2
ENE	9.4	13.2	5.7							1.9				67.9
E	1.1	5.5												92.3
ESE	3.3	5.0												91.7
SE		5.3												94.7
SSE		3.6							1.8					94.6
S	.9	5.2								.9				93.0
SSW	1.1	2.2								1.1				95.7
SW		2.7												97.3
WSW	5.3	5.3												89.5
W	3.3	6.7	1.7											88.3
WNW	3.4	8.6	1.7											86.2
NW	6.4	10.6												83.0
NNW	10.0	1.7	6.7											85.0
VARIABLE														
CALM														
TOTAL	35	71	10						1	4				1007
% TOTAL	3.1	6.3	.9						.1	.4				59.3

TOTAL NUMBER OF OBSERVATIONS

1,120

PERCENTAGE FREQUENCY OF WIND DIRECTION
(S. WEATHER CONDITIONS)

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

MARCH

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.1	9.4	3.1											85.4
NNE	3.1	4.2	4.2											88.5
NE	2.6	8.6	.9											87.9
ENE	1.5	3.0	.7											94.8
E		1.4	1.4											97.2
ESE	1.4	2.8												95.8
SE	3.1	4.6												92.3
SSE	1.7	6.8												91.5
S	.8	8.1												91.1
SSW		7.9	1.1					2.0			2.2			88.8
SW	2.0	12.2												85.7
WSW		10.3												89.7
W		6.4								2.1			2.1	89.4
WNW	10.5	15.8	5.3							3.2	3.2		5.3	63.2
NW	6.5												3.2	80.6
NNW	5.8	7.7	5.8											80.8
VARIABLE														
CALM	1.1	5.6												89.3
TOTAL	25	75	16					1		2	3		3	1115
% TOTAL	2.0	6.0	1.3					.1		.2	.2		.2	89.9

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 22701 MIDWAY ISLAND STATION NAME JAN 73 - DEC 77 YEARS APRIL MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	9.0	3.0												88.1
NNE	1.0	11.2												87.8
NE	.6	3.7	.6											95.1
ENE		1.3	.6								.4			97.5
E	.7	1.9												97.4
ESE		1.2												98.8
SE		1.9												98.1
SSE		9.1												90.9
S		5.9												94.1
SSW		6.3												93.8
SW		10.5												89.5
WSW		14.3												85.7
W		9.1												90.9
WNW		6.7												93.3
NW														100.0
NNW	2.9													97.1
VARIABLE														90.9
CALM		4.5	4.3											90.9
TOTAL	11	43	4									1		1141
% TOTAL	.9	3.6	.3									.1		95.1

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

MAY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		6.9												93.1
NNE		3.6												96.4
NE	.8	4.7	.8											93.8
ENE		4.5	1.3											94.2
E	.4	3.8												95.7
ESE		4.5												95.5
SE	.8	3.0											.8	95.5
SSE	1.1	2.3						1.1						95.4
S	.7	3.7												95.3
SSW		6.5												93.5
SW	3.3	6.7	3.3											90.0
WSW		12.5												87.5
W	6.3	31.3												62.5
WNW														100.0
NW		15.4												84.6
NNW														100.0
VARIABLE														
CALM	8.9	8.9												94.1
TOTAL	8	56	4					1					1	1171
% TOTAL	.6	4.5	.3					.1					.1	94.4

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

JUNE

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		7.7	3.8											88.5
NE	12.5	16.7												70.8
ENE	1.9	4.9							1.0					93.2
E	1.1	2.7							.5					95.7
ESE														100.0
SE		.8												99.2
SSE		3.6												96.4
S		1.1	1.1											97.7
SSW	2.3	5.7							1.1					90.9
SW	3.8													96.2
WSW		1.4												98.6
W		5.7												94.3
WNW	4.3	4.3												91.3
NW		5.0												95.0
NNW			3.8											96.2
VARIABLE														91.2
CALM		3.3	1.8								1.0			91.2
TOTAL	16	40	4						3					1137
% TOTAL	1.3	3.3	.3						.3					94.6

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

JULY

MONTH

ALL

HOURS (24)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		5.2												94.1
NE		4.7												95.3
ENE		3.3						.8			.4			95.8
E		3.4						.2		.2				96.4
ESE	.7	5.0												94.3
SE		1.4						1.4						97.3
SSE														100.0
S	2.2	8.7												89.1
SSW		6.5												93.5
SW		8.3												91.7
WSW														100.0
W														100.0
WNW														100.0
NW		20.0												80.0
NNW														100.0
VARIABLE														
CALM		3.6												96.4
TOTAL	2	47						4		1	1			1187
% TOTAL	.2	3.3						.3		.1	.1			95.7

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 22701 MIDWAY ISLAND STATION NAME JAN 73 - DEC 77 YEARS AUGUST MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		10.0	3.0											85.0
NNE		8.6												91.4
NE	1.1													98.9
ENE		4.5												95.5
E		2.1												97.9
ESE		1.0												99.0
SE		1.0												99.0
SSE								1.7						98.3
S		2.8												97.2
SSW		12.5												87.5
SW														100.0
WSW		30.0												70.0
W		7.1												92.9
WNW		36.4												63.6
NW														100.0
NNW		12.5												87.5
VARIABLE														
CALM		8.4												54.6
TOTAL	1	42	1					1						1195
% TOTAL	.1	3.4	.1					.1						96.4

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

SEPTEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.8	8.3						2.8						88.9
NNE		1.9												98.1
NE		5.8						1.0						94.2
ENE		2.5												97.5
E		.7												99.3
ESE														100.0
SE	1.8	9.1												89.1
SSE		7.6						1.5						90.9
S	2.0	5.9	2.0											90.2
SSW		4.5												95.5
SW														100.0
WSW														100.0
W		3.4												96.6
WNW		5.9												94.1
NW	5.6	11.1												83.3
NNW	10.0	10.0												80.0
VARIABLE														
CALM		1.4												99.6
TOTAL	6	39	1					3						1153
% TOTAL	.5	3.3	.1					.3						96.1

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

OCTOBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		9.0						.8						91.0
NE		5.2	.6					1.3						94.2
ENE		1.6									.5			97.8
E		3.7						.6						95.7
ESE		2.6												97.4
SE		5.6												94.4
SSE		8.2						1.6						91.8
S	1.3	5.1						1.3						93.6
SSW	2.9	5.9												91.2
SW		4.5												95.5
WSW														100.0
W		5.3												94.7
WNW		9.1												90.9
NW														100.0
NNW		5.6												94.4
VARIABLE	1.1	3.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	95.7
CALM														
TOTAL	3	54	1					6		1	1			1176
% TOTAL	.2	4.4	.1					.5		.1	.1			95.1

TOTAL NUMBER OF OBSERVATIONS 1,237

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

NOVEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		10.3	1.1											88.5
NNE		11.4	1.3											87.3
NE		2.8	2.8											94.4
ENE		9.4	1.4											89.2
E	3.5	3.5	.6					1.0	.6		.6			90.6
ESE	3.8	2.6	1.3					1.3	1.3					92.3
SE		6.1	2.0											91.8
SSE	2.0	4.0												94.0
S	1.8	3.3	1.8											93.0
SSW														100.0
SW	10.7	7.1	3.6											78.6
WSW		10.7												89.3
W	1.4	12.5	2.8											84.7
WNW	2.2	13.3												84.4
NW	5.9	5.9												88.2
NNW		6.9												93.1
VARIABLE														93.2
CALM														
TOTAL	20	77	15					4	2		1			1086
% TOTAL	1.7	6.4	1.3					.3	.2		.1			90.5

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

DECEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.9	6.9	1.4											86.1
NNE	7.3	7.3												85.5
NE	2.9	2.9	1.4											92.8
ENE	6.0	1.5							1.5					92.5
E	7.6	2.5	.8								1.7			89.1
ESE	4.9	9.8												85.4
SE		12.0												88.0
SSE		1.9	1.5											96.2
S	1.1	3.4	1.1						1.1					94.4
SSW	2.1								1.0					97.9
SW	2.7	4.1												93.2
WSW	3.7	2.5												92.6
W	6.4	10.6	2.1											81.9
WNW	3.0	12.1												84.8
NW		7.1	3.6											89.3
NNW		8.8	1.1						1.1					89.0
VARIABLE														
CALM	1.3	1.3	1.3											86.3
TOTAL	43	62	11						4		2			1111
% TOTAL	3.5	5.1	.9						.3		.2			90.5

TOTAL NUMBER OF OBSERVATIONS

1,227

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22701

MIDWAY ISLAND

STATION NAME

JAN 73 - DEC 77

YEARS

ALL

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.3	7.0	1.1					.2						88.9
NNE	1.3	7.8	.7					.1						90.2
NE	1.6	5.1	.7					.3						92.5
ENE	.8	3.8	.6					.1	.1	.1	.2			94.5
E	.8	2.7	.2					.2	.1	.0	.1			96.1
ESE	1.2	2.6	.1					.1	.2					96.0
SE	.6	3.5	.1					.1					.1	95.5
SSE	.7	4.4	.1					.6	.3					94.0
S	1.5	4.8	.5					.1	.2	.1				93.0
SSW	1.5	5.3	.1					.3	.3	.1	.3			92.5
SW	2.1	4.9	.3					.2	.2					92.7
WSW	1.9	6.4												91.3
W	2.6	9.7	.8							.2	.2		.2	86.7
WNW	2.3	10.4	.5										.3	86.6
NW	2.9	7.4	.5					.3		.3	.3		.3	87.5
NNW	2.5	6.0	1.7						.2					90.0
VARIABLE														
CALM	1.4	3.1	1.0							.3	.2			94.0
TOTAL	209	704	70					21	14	8	11		4	13572
% TOTAL	1.4	4.8	.5					.1	.1	.1	.1		.0	93.0

TOTAL NUMBER OF OBSERVATIONS

14,592

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

22701 MIDWAY ISLAND 49-77 YEARS

STATION NAME

YEARS

AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	26.8	19.8	3.8	12.3	6.9	13.5	6.5	6.7	3.3	.2	.1			53.4	837	4.94	9.28	1.76	
FEB	33.1	19.9	5.6	12.3	6.8	7.6	7.0	4.2	3.2	.4				47.0	819	3.84	8.07	.88	
MAR	40.6	19.8	4.9	11.2	6.3	6.0	5.0	4.0	1.7	.4				39.6	899	3.23	13.14	.04	
APR	44.4	22.1	4.0	11.0	5.6	6.2	3.0	1.7	1.5	.5				33.6	870	2.30	11.61	.22	
MAY	50.5	21.1	4.3	9.1	3.2	5.5	2.6	1.9	1.0	.7	.1			28.4	899	2.50	12.85	.20	
JUN	49.5	17.7	3.9	11.5	5.2	5.1	3.1	2.0	1.5		.2			32.7	840	2.51	13.42	.23	
JUL	31.3	21.5	5.0	13.6	6.3	9.4	5.1	3.2	2.1	.5				47.1	868	3.48	13.28	.56	
AUG	32.3	19.5	5.5	13.9	7.7	8.2	6.3	3.8	2.1	.7				48.3	868	4.23	10.83	1.10	
SEP	35.6	17.1	5.6	13.9	7.6	9.2	5.2	3.7	1.7	.4				47.3	840	3.31	7.38	.72	
OCT	35.6	16.2	5.2	14.6	8.0	8.9	3.7	2.9	2.6	.1	.2			46.2	899	3.48	10.00	.52	
NOV	32.0	20.2	5.4	13.7	8.5	8.6	4.8	3.3	2.6	.7	.1			47.8	870	4.06	12.29	.60	
DEC	34.9	14.6	5.0	13.3	8.0	10.2	6.6	5.0	1.9	.6				50.5	837	4.13	17.85	.95	
ANNUAL	37.2	19.3	4.8	12.5	6.8	8.2	4.9	3.5	2.1	.4	.1			43.5	10346	42.01			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION 22701 MIDWAY ISLAND STATION NAME YEARS 49-77

5722 Daily Amounts Jan. 1969

	PRECIP.	NONE	TRACE	01	.02-.05	.06-.10	11-.25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
																	MEAN	GREATEST	LEAST
SNOWFALL	NONE	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														837		.0	.0	.0
FEB	100.0														819		.0	.0	.0
MAR	100.0														899		.0	.0	.0
APR	100.0														870		.0	.0	.0
MAY	100.0														899		.0	.0	.0
JUN	100.0														840		.0	.0	.0
JUL	100.0														868		.0	.0	.0
AUG	100.0														868		.0	.0	.0
SEP	100.0														810		.0	.0	.0
OCT	100.0														868		.0	.0	.0
NOV	100.0														870		.0	.0	.0
DEC	100.0														868		.0	.0	.0
ANNUAL	100.0														10316		.0		

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192195

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

22701 MIDWAY ISLAND STATION NAME 49-77 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	1.15	3.05	.56	.35	.35	1.02	1.13	.42	.15	.27	.49	2.09	3.05
50		.32	.49	.25	.60				.18	.20	.95	.63	
51	1.77	1.20	.60	.22	.92	.10	.22	.60	.38	.98	2.48	.99	2.48
52	1.78	1.64	.38	1.22	.11	7.33	.81	1.76	1.23	1.04	.70	.33	7.33
53	2.84	1.04	1.34	2.30	2.60	.86	2.66	.85	2.46	.73	1.18	.44	2.66
54	.59	.30	.40	1.58	.13	.48	.98	.41	.89	.30	.81		
55	.47	1.71	.50	1.01	.13	.20	.65	1.64	.53	6.83	1.40	1.12	6.83
56	.80	1.22	.36	.11	.86	2.24	2.03	3.83	1.72	2.00	.17	.84	3.83
57	1.26	2.92	.30	.50	.56	.28	1.63	4.55	.74	.72	1.00	1.54	4.55
58	5.04	1.68	1.24	.09	.41	.91	.43	.44	.98	1.03	1.08	.68	5.04
59	.68	.61	.86	1.36	.13	1.80	.66	2.11	1.82	.44	.87	.27	2.11
60	1.14	1.27	.61	3.30	6.80	.73	.23	4.24	.55	1.50	1.15	.48	6.80
61	3.12	1.94	2.17	.81	.90	7.16	.30	.92	.58	3.31	.77	1.62	7.16
62	1.43	1.76	3.01	5.00	.15	1.70	1.81	.90	.82	1.56	1.21	1.46	5.00
63	1.27	1.03	3.36	1.35	.93	.50	2.10	1.37	1.29	1.86	3.03	.88	3.36
64	1.76	1.36	3.82	1.43	1.56	1.28	1.22	.40	.40	1.73	1.92	1.06	3.82
65	.37	1.05	.73	1.41	.12	1.32	.50	.52	1.81	.33	2.63	1.16	2.63
66	.77	.16	.46	.47	.83	.36	1.09	.53	1.07	6.00	1.20	.37	6.00
67	1.34	2.45	.75	1.04	.48	1.05	3.02	3.36	.38	1.23	5.19	.93	6.19
68		1.03	.02	.42	1.35	.70	2.12	2.03	1.18	.31	.96	3.89	
69	.64	1.03	.53	.41	.21	.15	.93	1.67	.57	.87	2.23	1.04	2.23
70	.86	.93	1.28	1.50	2.92	.53	1.09	.98	3.73	1.56	3.53	1.30	3.73
71	1.14	2.86	.42	.22	.44	.28	.41	4.26		.62	1.11	1.41	
72	1.36	1.29	.76	2.72	.82	.99	3.82	.69	2.90	.39	.48	.21	3.82
73	.81	.53	.86	.70	.20	.17	.77	.91	.92	.94	2.46	.39	2.46
74	1.22	.54	3.85	.46	3.27	.86	1.95	2.24	1.83	.26	3.03		
75	1.13	1.26	1.62	.61	1.91	.31	1.22	.91	.41	1.98	1.01	.76	1.98
76	1.38	1.77	.57	.63	1.05	1.76	.24	.65	.26	.43	.94	.76	1.77
77	1.86	.54	1.31	.21	.41	.09	1.16	.27	2.76	.90	2.20	2.71	2.76
MEAN	1.41	1.33	1.14	1.09	1.07	1.26	1.26	1.55	1.16	1.39	1.63	1.09	4.07
S. D.	.967	.772	1.070	1.091	1.390	1.737	.905	1.319	.915	1.564	1.235	.804	1.802
TOTAL OBS.	837	819	899	870	899	840	868	868	840	899	870	837	10346

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49-77

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

Q

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

22701 MIDWAY ISLAND 49-77 STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	837	819	899	870	899	840	868	868	810	868	870	868	10316

NAVWEASERVCOM

5723 Extreme Values Jan 1969

FROM DAILY OBSERVATIONS)

MIDWAY ISLAND

22701

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

22701 MIDWAY ISLAND STATION NAME 49-77 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0
S. D.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL OBS.	837	819	868	870	879	840	868	868	810	868	870	868	10285

NAVWEASERVCOM

5723 Extreme Values Jan 1969

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01

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNTS MAR 1978

22701
STATION

MIDWAY ISLAND
STATION NAME

1949-1977

YEARS

JANUARY
MONTH

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.90	23	1962			
2	0.64	16	1974*			
3	1.04	26	1957			
4	1.23	31	1953			
5	1.36	35	1972			
6	1.28	33	1972			
7	0.28	7	1972*			
8	1.78	45	1952			
9	1.26	32	1957			
10	1.26	32	1962			
11	0.96	24	1960			
12	0.97	25	1960			
13	1.43	36	1962			
14	1.37	35	1953			
15	1.37	35	1953			
16	0.77	20	1966			
17	0.81	21	1973			
18	1.35	34	1964			
19	1.76	45	1964			
20	1.27	32	1963			
21	1.38	35	1976			
22	2.84	72	1953			
23	3.12	79	1961			
24	1.96	50	1968			
25	0.97	25	1957			
26	0.66	17	1970			
27	0.55	14	1954			
28	0.72	18	1963			
29	1.41	36	1977			
30	5.04	128	1958			
31	1.77	45	1951			
Monthly	5.04	128	1958			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.67	17	1958			
2	0.97	25	1968			
3	1.77	45	1976			
4	1.94	49	1961			
5	0.82	21	1949			
6	2.92	74	1957			
7	1.61	41	1971			
8	1.36	35	1962			
9	1.05	27	1965			
10	0.81	21	1962			
11	0.95	24	1971			
12	3.05	77	1949			
13	1.00	25	1976			
14	1.26	32	1975			
15	0.86	22	1956			
16	1.22	31	1956			
17	0.98	25	1955			
18	1.71	43	1955			
19	0.65	17	1972			
20	0.58	15	1965			
21	2.86	73	1971			
22	2.09	53	1967			
23	0.36	9	1955			
24	1.64	42	1952			
25	1.76	45	1962			
26	1.68	43	1958			
27	0.79	20	1971			
28	1.84	47	1961			
29	0.26	7	1972			
30						
31						
Monthly	3.05	77	1949			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

1949-1977

22701 STATION
MIDWAY ISLAND STATION NAME

YEARS

APRIL MONTH

MARCH MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.35	9	1972			
2	0.81	21	1954			
3	2.72	69	1972			
4	1.35	34	1963			
5	0.61	15	1975			
6	0.33	8	1953			
7	1.50	38	1970			
8	1.22	31	1922			
9	0.87	22	1962			
10	1.58	40	1954			
11	1.16	29	1954			
12	1.43	36	1964			
13	5.00	127	1962			
14	3.02	77	1962			
15	0.47	12	1966			
16	0.54	14	1961			
17	1.41	36	1965			
18	0.35	9	1949			
19	0.50	13	1957			
20	1.04	26	1967			
21	1.37	35	1972			
22	1.23	31	1972			
23	0.15	4	1962			
24	1.36	35	1959			
25	0.30	8	1973			
26	0.25	6	1953			
27	0.15	4	1976			
28	0.22	6	1955			
29	0.46	12	1974			
30	0.30	8	1969			
31						
Monthly	5.00	127	1962			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.76	19	1961			
2	1.14	29	1962			
3	1.62	41	1975			
4	3.82	97	1964			
5	3.85	98	1974			
6	1.01	26	1974			
7	2.17	55	1961			
8	0.77	20	1972			
9	1.28	33	1974			
10	1.36	35	1963			
11	0.70	18	1973			
12	0.43	11	1973			
13	1.16	29	1964			
14	0.55	14	1955			
15	3.01	76	1962			
16	1.24	31	1958			
17	0.62	16	1963			
18	0.73	19	1963			
19	2.41	61	1963			
20	3.36	85	1963			
21	0.43	11	1963			
22	0.40	10	1959			
23	0.57	14	1973			
24	1.31	33	1977			
25	0.52	13	1973			
26	1.28	33	1970			
27	0.52	13	1953			
28	0.41	10	1970			
29	0.20	5	1952			
30	0.43	11	1974			
31	0.41	10	1974			
Monthly	3.85	98	1974			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

22701 MIDWAY ISLAND
STATION NAME

1949-1977 YEARS

MAY MONTH

JUNE MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.93	24	1963			
2	1.01	26	1960			
3	0.48	12	1967			
4	0.90	23	1961			
5	0.18	5	1961			
6	0.86	22	1956			
7	6.80	173	1960			
8	0.83	21	1966			
9	2.80	71	1970			
10	1.32	34	1970			
11	2.92	74	1970			
12	2.50	66	1953			
13	0.80	20	1970			
14	1.46	37	1970			
15	1.56	40	1964			
16	0.70	18	1974			
17	0.82	21	1972			
18	3.13	80	1974			
19	0.73	19	1974			
20	0.29	7	1960			
21	3.27	83	1974			
22	0.66	17	1974			
23	1.08	27	1974			
24	1.22	31	1953			
25	1.35	34	1968			
26	0.72	18	1976			
27	0.41	10	1977			
28	0.39	10	1977			
29	3.90	99	1960			
30	0.20	5	1973			
31	0.19	5	1971			
Monthly	6.50	173	1960			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.12	3	1950			
2	0.52	13	1967			
3	0.35	9	1967			
4	0.65	17	1968			
5	1.28	33	1964			
6	0.95	24	1952			
7	0.64	16	1953			
8	1.80	46	1959			
9	0.91	23	1958			
10	1.91	49	1952			
11	7.33	186	1952			
12	0.76	19	1952			
13	2.02	51	1952			
14	0.09	2	1949			
15	1.20	30	1965			
16	7.16	182	1961			
17	0.86	22	1953			
18	0.26	7	1960			
19	0.52	13	1964			
20	0.35	9	1960			
21	1.32	34	1965			
22	0.91	23	1965			
23	0.56	14	1965			
24	0.99	25	1972			
25	0.13	3	1949			
26	1.76	45	1976			
27	1.40	36	1956			
28	0.50	13	1963			
29	2.24	57	1956			
30	0.41	10	1956			
31						
Monthly	7.33	186	1952			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

22701
STATION

MIDWAY ISLAND
STATION NAME

1949-1977

YEARS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.26	7	1962			
2	0.29	7	1962			
3	0.35	9	1973			
4	2.89	73	1967			
5	1.06	27	1967			
6	0.21	5	1958			
7	0.79	20	1963			
8	1.09	28	1967			
9	0.31	8	1974			
10	1.95	50	1974			
11	1.09	28	1974			
12	0.27	7	1968			
13	0.68	17	1956			
14	0.66	17	1962			
15	0.77	20	1973			
16	1.22	31	1964			
17	1.16	29	1977			
18	0.97	25	1962			
19	1.33	34	1967			
20	1.38	35	1972			
21	3.82	97	1972			
22	2.12	54	1968			
23	0.86	22	1949			
24	1.13	29	1949			
25	2.66	68	1953			
26	0.71	18	1957			
27	0.84	21	1972			
28	3.02	77	1967			
29	2.05	52	1956			
30	1.09	28	1970			
31	2.10	53	1963			
Monthly	3.82	97	1972			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.64	42	1955			
2	0.83	21	1967			
3	1.24	31	1967			
4	3.36	85	1967			
5	0.60	15	1967			
6	1.12	28	1963			
7	4.26	108	1971			
8	1.23	31	1971			
9	0.28	7	1954			
10	1.08	27	1956			
11	0.98	25	1970			
12	2.23	57	1957			
13	4.55	116	1957			
14	3.83	97	1956			
15	0.90	23	1962			
16	0.73	19	1969			
17	1.64	42	1960			
18	0.60	15	1971			
19	0.87	22	1957			
20	2.24	57	1974			
21	1.61	41	1969			
22	1.18	30	1968			
23	2.03	52	1968			
24	0.92	23	1969			
25	1.85	47	1960			
26	4.24	108	1960			
27	0.40	10	1972			
28	2.11	54	1959			
29	1.67	42	1959			
30	0.75	19	1973			
31	0.92	23	1961			
Monthly	4.55	116	1957			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

22701
STATION

MIDWAY ISLAND
STATION NAME

YEARS

1949-1977

SEPTEMBER
MONTH

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.73	95	1970			
2	2.76	70	1977			
3	0.48	12	1969			
4	1.83	46	1974			
5	1.39	35	1959			
6	0.90	23	1966			
7	0.97	25	1952			
8	1.82	46	1959			
9	1.23	31	1952			
10	0.92	23	1973			
11	1.72	44	1956			
12	0.89	23	1954			
13	0.15	4	1961*			
14	0.82	21	1962			
15	0.25	6	1956			
16	1.25	32	1972			
17	2.90	74	1972			
18	0.98	25	1972*			
19	0.55	14	1958			
20	1.21	31	1977			
21	0.81	21	1977			
22	2.46	62	1953			
23	0.87	22	1953			
24	0.75	19	1974			
25	1.81	46	1965			
26	1.29	33	1963			
27	0.54	14	1956			
28	1.39	35	1953			
29	0.41	10	1969			
30	0.42	11	1963			
31						
Monthly	3.73	95	1970			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	6.83	173	1955			
2	1.23	31	1967			
3	1.86	47	1963			
4	2.05	52	1961			
5	6.00	152	1966			
6	0.58	15	1960			
7	1.50	38	1960			
8	3.31	84	1961			
9	1.04	26	1952			
10	1.15	29	1970			
11	1.56	40	1970			
12	0.98	25	1951			
13	1.07	27	1970			
14	1.11	28	1956			
15	2.00	51	1956			
16	0.65	17	1963			
17	0.87	22	1969			
18	0.83	21	1973			
19	1.08	27	1966			
20	0.30	8	1954			
21	0.51	13	1953			
22	1.08	27	1975			
23	1.73	44	1964			
24	1.98	50	1961			
25	1.59	40	1964			
26	0.37	9	1956			
27	0.22	6	1974			
28	1.01	26	1963			
29	0.88	22	1956			
30	0.73	19	1953			
31	0.53	13	1969			
Monthly	6.83	173	1955			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22701 STATION
MIDWAY ISLAND STATION NAME
1949-1977 YEARS

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.88	73	1968			
2	1.41	36	1971			
3	0.21	5	1967			
4	0.62	16	1977			
5	0.76	19	1975			
6	2.60	66	1968			
7	3.89	99	1968			
8	0.80	20	1961			
9	0.83	21	1974			
10	0.65	17	1977			
11	0.90	23	1964			
12	2.09	53	1949			
13	1.26	33	1968			
14	0.44	11	1967			
15	0.90	23	1955			
16	1.54	39	1957			
17	0.61	15	1970			
18	2.71	69	1977			
19	0.54	14	1968			
20	0.56	14	1965			
21	1.31	33	1968			
22	0.93	24	1961			
23	1.11	28	1962			
24	1.69	43	1977			
25	1.08	27	1962			
26	0.63	16	1950			
27	1.62	41	1961			
28	0.66	17	1974			
29	3.25	83	1968			
30	1.46	37	1962			
31	0.68	17	1958			
Monthly	3.89	99	1968			

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.86	22	1958			
2	2.89	73	1963			
3	2.20	56	1977			
4	0.94	24	1976			
5	1.20	30	1966			
6	2.23	57	1969			
7	3.03	77	1963			
8	3.03	77	1974			
9	1.03	26	1963			
10	1.21	31	1962			
11	6.19	157	1967			
12	2.48	63	1951			
13	0.29	7	1953			
14	1.18	30	1953			
15	2.16	55	1970			
16	2.73	69	1970			
17	1.98	50	1951			
18	1.40	36	1955			
19	1.35	34	1967			
20	0.19	5	1969			
21	0.49	12	1949			
22	2.63	67	1965			
23	0.56	14	1964			
24	0.81	21	1954			
25	0.88	22	1968			
26	0.96	24	1968			
27	3.53	90	1970			
28	1.05	27	1974			
29	1.11	28	1971			
30	1.15	29	1960			
31	6.19	157	1967			
Monthly	6.19	157	1967			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. **Extreme Values - Peak Gusts:** Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. **Bivariate percentage frequency tabulations:** Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: **INSTRUMENT CLASS:** Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS (FROM DAILY OBSERVATIONS)

22701 MIDWAY ISLAND

49-77

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS		
49	NW 46S	43		NW 40NNW	56NNW	44SSE	32	NW 31SSW	30SE	37ENE	26ENE	26NE	35NE	37NNE	42
50	W 51WSW	40NNW	56NNW	44SSE	32	ENE 25	SW 33NE	40S	ESE 37NW	32NNE	36	35NNW	35		
51			WSW 50ESE	35		SW 33NE	40S	41SE	29ENE	40NE	35NNW	35			
52			WSW 50ESE	35		SW 33NE	40S	41SE	29ENE	40NE	35NNW	35			
53	W 45NNW	44S	33ENE	35NNW	40SSW	32ENE	32E	22SE	44NE	33SE	29NNW	44	W	45	
54	WSW 62ESE	46E	47NE	34ENE	26ESE	23SSE	34SSE	24W	31ENE	29W	40SW	41	WSW	62	
55	W 38SW	46		NE 24S	24										
56	W 53S	45NE	40NE	31ENE	26SSW	29NE	31ESE	28SE	34N	50NE	41NNW	77	NNW	77	
57	WSW 42E	46W	40ENE	33SW	31W	34S	35SSE	35ENE	25N	42SW	33ESE	48	ESE	48	
58	NNW 51NNW	52E	36E	30MSW	26WSW	34ESE	28E	31ESE	47ENE	43W	41NNW	47	NNW	52	
59	NW 67E	40WSW	40NSW	52WSW	40SW	35ESE	33SE	30	NW 41N	35ENE	43		W	52	
60	WSW 46NNW	49W	52SE	37SW	41ESE	27SSW	32SSE	37ENE	45S	42NE	36W	44			
61	S 46NNW	43NNW	55NE	41NE	32SE	36E	26E	30S	38ESE	46E	29SW	47	NNW	55	
62	WSW 66WSW	49N	50NE	44NE	30ENE	29E	32ESE	30ESE	36SSE	35S	42MSW	57	WSW	66	
63	WSW 64SW	50E	49NE	37ENE	30E	28ESE	35E	35S	34SW	43W	41NW	46	WSW	64	
64	W 39WSW	43NW	42NE	32E	42SSW	47E	33ENE	31E	33ESE	41SW	45W	62	W	62	
65	W 58E	38SW	58W	41E	27SSW	43E	56ESE	26W	39ESE	63ENE	40E	33	ESE	63	
66	W 49SW	37W	31SW	57E	35SW	23E	30E	35S	30NE	42E	47SW	49	SW	57	
67	ENE 42WSW	41W	40SSW	38W	34WSW	36ESE	36S	41SE	35NW	30SE	52N	60	N	60	
68	WSW 66SW	61W	47E	37E	32N	26E	33E	32N	43NE	35SW	34NNE	49	WSW	66	
69	N 38E	36SE	27W	22W	32E	25ESE	27S	31SE	26ENE	30W	41W	46	W	46	
70	W 49W	50NW	41E	31NE	36E	26SE	44SE	37SW	37E	40SE	46W	37	W	50	
71	NW 4427	6314	2714	2827	3118	3011	2924	40	03	3912	3804	49			
72	24 4928	5130	3809	6001	2817	3014	3510	3012	4528	3533	3429	37	09	60	
73	36 2932	3218	3509	2309	2209	2109	2810	2717	3019	3515	3424	36	24	36	
74	28 4819	3028	4304	2714	3305	3010	3612	2622	3005	3408	3905	32	28	48	
75	22 3721	4125	3921	4722	3506	2710	3319	3229	2805	2833	3630	42	21	47	
76	20 4907	4909	3107	2916	2822	3615	3012	3209	2608	2708	3211	36	20	49	
77	24 4825	4231	5006	3406	2813	2212	2908	2509	3109	3105	4025	41	31	50	
MEAN	49.0	44.9	42.2	36.9	31.6	30.0	33.6	31.3	34.2	38.3	36.3	45.4			55.2
S. D.	9.717	7.731	8.745	9.463	5.184	6.158	6.093	5.199	6.619	7.867	5.477	10.008			9.335
TOTAL OBS.	830	759	804	774	831	835	805	833	742	832	772	801			9618

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	3.2									5.8	6.9
NNE	1.9	1.9										3.9	3.7
NE													
ENE				1.9								1.9	14.7
E	.6	.6	1.3	1.3								3.9	8.2
ESE			1.3	2.6	.6							4.5	12.0
SE												2.6	8.8
SSE		.6	.6	1.9								3.2	10.0
S		1.3	1.3	1.9	1.3	.6						6.5	12.2
SSW	.6	.6	3.9	3.9	.6	.6						9.7	12.7
SW		1.3	1.3	2.6	2.6	.6						7.7	14.7
WSW	.6	.6		2.6	1.3	.6						5.8	13.8
W		1.3	3.9	3.9	2.6	.6						14.2	12.9
WNW	.6	.6	1.9	1.9	1.3							6.5	11.1
NW			1.9	4.5	1.9	.6						9.0	13.9
NNW	.6	3.9	2.6									7.1	6.5
VARBL													
CALM												7.7	
	5.8	13.5	25.8	31.0	12.3	3.9						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	1.3									5.3	4.9
NNE	.6	.6	1.3	.6								3.2	7.0
NE				.6								.6	13.0
ENE		.6		1.3								1.9	11.0
E		.6	.6	1.3	1.3							3.9	12.3
ESE		.6	1.3	.6								2.6	8.5
SE			1.9	1.9								3.9	10.5
SSE	.6	.6	1.3	.6								3.2	7.8
S		1.9	2.6	3.9	1.3		.6					10.3	12.2
SSW		.6	1.9	2.6	1.9							7.1	13.3
SW	1.3	1.3	1.9	3.2	1.3	1.3	.6					11.0	12.8
WSW	1.3		.6	4.5	.6	1.3						8.4	13.6
W	1.3		2.6	5.2	1.9							11.0	11.9
WNW			1.9	1.9	1.3							5.2	13.1
NW		.6	2.6	5.2	1.9	.6						11.0	13.5
NNW		1.3	2.6	1.9								5.8	10.1
VARBL													
CALM												5.2	
	6.5	12.3	24.5	35.5	11.0	3.2	1.3					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	1.9	.6								5.8	6.4
NNE	.6	1.9	1.9	.6								5.2	6.9
NE	.6	.6		.6								1.9	6.7
ENE		1.9	.6	1.3								3.9	8.8
E			1.3	1.3								2.6	11.3
ESE			.6	1.3	1.3							3.2	14.6
SE			1.3	.6								1.9	10.3
SSE		.6		.6	.6							1.9	12.3
S	.6	2.6	3.2	2.6								9.0	8.6
SSW		.6	.6	6.5	1.3	1.3						10.3	14.4
SW			3.9	5.2		1.3						10.3	13.3
WSW			1.3	2.6								3.9	12.2
W	.6	1.9	1.9	6.5	1.9	.6						13.5	12.3
WNW		1.3	1.9	1.9	.6							5.8	11.6
NW		.6	2.6	3.9	1.9							9.0	12.9
NNW		.6	3.9	1.9								6.5	10.1
VARBL													
CALM												5.2	
	3.9	14.8	27.1	38.1	7.7	3.2						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	1.9									5.3	6.2
NNE	1.3	2.6	.6	.6								5.2	6.0
NE	.6		2.6									3.2	7.2
ENE		.6	.6	1.3								2.6	10.3
E		.6	1.9	1.3	.6							4.5	11.3
ESE		.6	1.3	.6	.6							3.2	10.2
SE	.6	.6		.6								1.9	7.0
SSE			.6		1.3							1.9	15.0
S		1.3	4.5	3.2	.6	.6						10.3	11.7
SSW			2.6	5.8	.6							9.0	12.6
SW	.6		2.6	3.2	2.6	1.9						11.0	14.5
WSW			1.3	2.6	.6	.6						5.2	14.0
W	1.9	.6	1.9	1.9	2.6							9.0	11.2
WNW		1.9	3.2	3.2	2.6	.6						11.6	12.6
NW		1.9	1.9	1.9	1.9							7.7	11.8
NNW		.6	2.6	1.9								5.2	9.6
VARBL													
CALM												2.6	
	5.8	14.8	30.3	28.4	14.2	3.9						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	1.3	.6								4.5	7.1
NNE		1.3	3.2	1.3								5.8	8.8
NE			.6	.6								1.3	10.0
ENE			.6									.6	7.0
E		1.3	2.6	.6	1.9							6.5	11.2
ESE			.6		.6							1.3	12.5
SE		.6	1.3	.6								2.6	8.3
SSE			1.3	1.3	1.3							3.9	13.8
S		.6	2.6	3.2	.6							7.1	11.5
SSW	.6	.6	1.3	6.5	1.9	.6						11.6	13.6
SW			2.6	3.2	.6	2.6	.6					9.7	16.8
WSW			1.3	1.9	2.6	.6						6.5	15.9
W	.6	1.3	1.3	3.9	.6	1.3						9.0	12.9
WNW		1.3	4.5	3.9	.6	.6						11.0	11.6
NW		1.3	3.2	7.1	1.9							13.5	12.9
NNW		.6	1.9	2.6								5.2	10.0
VARBL													
CALM												.0	
	1.3	11.6	30.3	37.4	12.9	5.8	.6					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.9	.6	.6								5.2	6.1
NNE		.6	1.3	1.3								3.2	9.2
NE			.6	.6								1.3	11.0
ENE			.6	1.3	.6							2.6	14.8
E		.6	.6		.6							1.9	10.3
ESE		.6	.6	.6	.6							2.6	10.8
SE		.6	2.6	1.3								4.5	9.6
SSE	.6	.6	.6	1.9								3.9	9.8
S			2.6	.6	1.3	1.3						5.8	14.0
SSW	.6	.6	.6	5.2	1.3	.6						9.0	13.3
SW		.6	.6	4.5	1.3	1.9	.6					9.7	15.9
WSW		.6	.6	4.5	1.3	1.9						9.0	15.4
W		.6	3.9	4.5	2.6	.6						12.3	14.2
WNW			2.6	2.6	1.9							7.1	13.6
NW		1.3	3.9	4.5	1.3	.6						11.6	12.1
NNW	1.3	1.3	3.2	3.2	.6							9.7	9.9
VARBL													
CALM												.6	
	2.6	12.3	25.8	37.4	13.5	7.1	.6					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

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SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.9	3.2									7.7	6.8
NNE	3.2	1.3	.6	.6								5.8	5.0
NE				1.9								1.9	12.3
ENE		.6		1.3	.6							2.6	12.0
E		1.3	.6	.6	.6							3.2	9.8
ESE		.6		1.3	.6							2.6	12.0
SE			.6	.6								1.3	9.5
SSE		1.3	.6	1.9	.6							4.5	10.6
S			.6	2.6	.6	.6						4.5	14.1
SSW		3.2	1.9	1.3	1.3	.6						8.4	10.5
SW	.6	.6	3.9	4.5	1.3	1.3						12.3	12.6
WSW	.6	.6	1.3	1.3	.6	1.3						5.8	12.9
W			1.3	5.2	3.9							10.3	14.8
WNW	.6	2.6	3.9		2.6	1.3						11.0	12.0
NW			1.3	3.9	1.9							7.1	14.1
NNW	.6	2.6	2.6	2.6	.6							9.0	9.0
VARBL													
CALM												1.9	
	6.5	18.7	22.6	29.7	15.5	5.2						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

155

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	3.9		.6							10.3	6.3
NNE	.6		1.3									1.9	6.7
NE	.6		1.3	.6								2.6	7.8
ENE		1.3		.6	.6							2.6	11.0
E			.6	1.3	.6							2.6	13.3
ESE		.6	1.3	1.9	.6							4.5	11.3
SE		.6		.6								1.3	8.5
SSE			1.9	1.9								3.9	9.5
S		.6	1.3	2.6	1.3							5.8	12.9
SSW	.6	1.3	3.2	2.6	1.3	.6						10.3	11.3
SW		.6	.6	3.2	1.9							6.5	14.4
WSW		.6	1.3	1.3	1.3							4.5	12.7
W	.6	.6	3.2	3.9	2.6							11.0	12.8
WNW	1.3	.6	1.3	3.2	1.9	.6						9.0	12.4
NW	.6	1.3	2.6	4.5	.6							10.3	10.6
NNW			5.8	1.9								7.7	9.5
VARBL													
CALM												5.2	
	7.1	12.9	29.7	30.3	13.5	1.3						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	3.0	2.2	.2	.1							6.4	6.3
NNE	1.0	1.3	1.3	.6								4.3	6.6
NE	.2	.1	.6	.6								1.6	9.0
ENE		.6	.3	1.1	.2							2.3	11.3
E	.1	.6	1.2	1.0	.7							3.6	10.9
ESE		.4	.9	1.1	.6							3.1	11.5
SE	.1	.3	1.3	.8								2.5	9.2
SSE	.2	.5	.9	1.3	.5							3.3	10.8
S	.1	1.0	2.3	2.6	.9	.4	.1					7.4	11.9
SSW	.2	1.0	2.0	4.3	1.3	.6						9.4	12.8
SW	.4	.4	2.2	3.7	1.5	1.4	.2					9.8	14.3
WSW	.3	.3	1.0	2.7	1.0	.8						6.1	14.0
W	.6	.8	2.5	4.6	2.3	.4						11.3	12.9
WNW	.3	1.0	2.7	2.3	1.6	.4						8.4	12.2
NW	.1	1.0	2.5	4.4	1.7	.2						9.9	12.7
NNW	.3	1.4	3.1	2.0	.2							7.0	9.3
VARBL													
CALM													
	4.9	13.9	27.0	33.5	12.7	4.2	.3					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	.7	2.1	.7							5.0	10.3
NNE	2.8	3.5	2.8	2.8								12.1	6.9
NE	1.4	1.4	2.1	2.1	.7							7.8	9.2
ENE		.7	.7	.7	.7	.7						2.8	16.3
E		2.8	1.4	2.8	1.4							8.5	10.5
ESE		.7	2.8	2.8	.7							7.1	11.5
SE	.7	1.4	1.4	.7	1.4							4.3	11.7
SSE		.7	.7	3.5								4.3	11.3
S		.7	6.4	5.0	.7							12.8	11.4
SSW		1.4	2.8	1.4								5.7	9.3
SW		1.4	1.4	2.1	2.1							5.7	13.4
WSW			.7	.7	.7							1.4	10.0
W	.7	.7	.7	2.1								4.3	9.5
WNW		.7	.7	2.8								4.3	10.8
NW		.7	1.4	2.1								4.3	10.8
NNW	.7	2.8	1.4	.7	.7							6.4	8.2
VARBL													
CALM												3.5	
	6.4	18.4	27.0	34.8	9.2	.7						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

8678

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0880

TOTAL NUMBER OF OBSERVATIONS

141

8678

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	.7	2.1	1.4								6.4	7.2
NNE	.7	4.3	3.5									8.5	6.7
NE		.7	.7	2.8	1.4							5.7	13.3
ENE	1.4	1.4	.7	2.8		.7						7.1	9.9
E		1.4	2.1	2.8	.7							7.1	10.6
ESE			.7	2.1	1.4							4.3	14.0
SE		.7	1.4	2.8								5.0	10.9
SSE			1.4	1.4	1.4							4.3	13.5
S		.7	4.3	4.3	.7							9.9	10.6
SSW		1.4	2.8	4.3	.7							9.2	10.8
SW			.7	3.5	.7	.7						5.7	14.4
WSW	.7	2.1	1.4	2.8								4.3	11.7
W			.7	1.4								5.0	7.7
WNW				3.5	.7							4.3	15.2
NW			1.4	.7								2.1	10.3
NNW	.7	.7	1.4	1.4								4.3	8.7
VARBL													
CALM												7.1	
	5.7	14.2	25.5	38.3	7.8	1.4						100.0	9.9

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7								2.1	8.7
NNE	3.5	2.8	2.8									9.2	4.8
NE	.7	1.4	4.3	3.5	1.4							11.3	10.5
ENE	.7	.7	.7	1.4	.7	.7						5.0	11.7
E		1.4		2.1	1.4							5.0	12.7
ESE		.7		2.1	1.4							4.3	14.2
SE		.7	2.1	.7								3.5	9.0
SSE			.7	3.5	1.4							5.7	13.3
S			1.4	5.7								7.1	12.2
SSW		1.4	2.8	3.5								7.8	10.1
SW		1.4	3.5	2.1	1.4	1.4						9.9	12.5
WSW		2.8	1.4									4.3	6.8
W		2.1		.7								2.8	7.0
WNW	.7	.7	1.4	2.8	.7							6.4	12.0
NW			2.1	2.8								5.0	11.6
NNW	.7		1.4	2.1								4.3	10.2
VARBL													
CALM												6.4	
	6.4	17.0	25.5	34.0	8.5	2.1						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMO5

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	2.1	2.8								6.4	9.3
NNE		1.4	2.1	2.1								5.7	9.6
NE		2.1	2.8	.7	1.4	.7						7.8	11.0
ENE	1.4		1.4	2.1		.7						5.7	10.8
E		2.8	2.8	2.1	1.4	.7						9.9	11.8
ESE		.7	.7	1.4	.7							3.5	12.0
SE		.7	1.4	.7	.7							3.5	10.4
SSE		.7	.7	5.7								7.1	11.9
S	.7	1.4	2.1	5.0	1.4							10.6	10.7
SSW		1.4	3.5	3.5								8.5	10.3
SW		2.1	3.5	2.1	1.4	.7						9.9	11.7
WSW		.7	.7	.7	.7							2.8	11.8
W	1.4	1.4	1.4	.7								5.0	6.9
WNW		.7	.7	2.8	.7							5.0	12.3
NW		1.4		2.1								3.5	10.2
NNW		1.4		1.4								2.8	8.8
VARBL													
CALM												2.1	
	3.5	20.6	26.2	36.2	8.5	2.8						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22701

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.8	2.1	.7								5.7	7.0
NNE	.7	2.8	5.0	1.4	.7							10.6	8.9
NE		.7	.7	2.1	.7	.7						5.0	14.0
ENE		1.4	.7	.7		.7						3.5	11.6
E	.7	1.4	4.3	2.1	1.4							9.9	10.4
ESE			1.4	.7	2.8		.7					5.7	16.1
SE		.7	1.4	2.1								4.3	10.8
SSE				2.8	.7							3.5	13.8
S		2.1	3.5	6.4		.7						12.8	11.3
SSW			3.5	2.1	.7							6.4	11.1
SW		.7	2.1	2.8	.7	.7						7.1	12.8
WSW			2.8	1.4	.7							5.0	11.3
W	.7	2.1	2.1	.7								5.7	7.9
WNW			2.1	2.8								5.0	10.7
NW			1.4	2.1	1.4							5.0	14.6
NNW		.7	1.4	1.4	1.4							5.0	12.7
VARBL													
CALM												.0	
	2.1	15.6	34.8	32.6	11.3	2.8	.7					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

141

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.1		1.4								3.5	8.4
NNE		2.1	4.3	1.4		.7						8.5	10.2
NE	.7		2.1	2.8	2.1							7.8	12.5
ENE		.7		.7	.7							2.1	11.7
E		2.1	2.1	2.1	1.4							7.8	11.2
ESE		1.4	1.4	2.8	1.4		.7					6.4	14.9
SE		.7	.7	.7								2.1	10.7
SSE			2.1	3.5								5.7	11.8
S		1.4	2.8	5.0	.7	.7						10.6	11.5
SSW			5.7	1.4	2.1							9.2	10.8
SW			1.4	2.8	.7	.7						5.7	13.3
WSW		.7	.7	1.4	.7							3.5	10.8
W		1.4	2.8	2.8	.7							7.8	10.1
WNW			.7	4.3								5.0	12.7
NW		.7	2.8	4.3								7.5	10.5
NNW	.7	1.4	1.4	2.1								5.7	9.4
VARBL													
CALM												.7	
	1.4	13.5	31.2	39.7	10.6	2.1	.7					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.5	.7	2.1		.7						7.1	9.5
NNE		2.1	2.1	.7	.7							5.7	9.1
NE	.7	.7	2.1	4.3								7.8	9.6
ENE	1.4		2.1	1.4		.7		.7				6.4	12.6
E		.7	2.8	4.3								7.8	10.7
ESE		.7	.7	2.1	1.4							5.0	13.1
SE			.7									.7	10.0
SSE			2.1	2.1								4.3	11.0
S		2.1	4.3	2.8	1.4							10.6	10.5
SSW		2.1	4.3	1.4	.7							6.5	9.8
SW		.7	2.8	.7	.7							5.0	10.0
WSW		.7		2.1								2.8	12.5
W	.7	1.4	2.8	1.4								6.4	7.4
WNW		.7	1.4	3.5								5.7	11.1
NW	.7	2.1		2.1								5.0	8.1
NNW	1.4	1.4	2.1	3.5								6.5	9.0
VARBL													
CALM												2.8	
	5.0	19.1	31.2	34.8	5.0	1.4		.7				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

8000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB

MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.3	3.5	2.1								10.6	7.8
NNE	1.4	1.4	.7	.7								4.3	6.7
NE	.7	.7	2.8	2.8	.7							7.8	10.3
ENE		1.4	.7	2.1		.7						5.0	11.6
E			2.1	4.3	1.4		.7					8.5	15.2
ESE	.7	.7	2.1	1.4	1.4							6.4	10.7
SE	.7		2.1	1.4	1.4							3.5	14.0
SSE			1.4	3.5								5.0	12.1
S		2.1	2.1	2.1	.7							7.1	9.7
SSW	.7	1.4	5.7	2.1								9.9	8.6
SW	.7	.7	1.4	.7	.7							4.3	9.7
WSW		1.4	.7	.7	.7							2.8	9.0
W	.7		2.1	2.8								5.7	10.6
WNW		.7	2.1	2.8								5.7	10.4
NW				.7								.7	12.0
NNW	1.4	.7	2.1	1.4								5.7	7.6
VARBL													
CALM												7.1	
	7.8	15.6	29.8	31.2	7.1	.7	.7					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

141

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.1	1.5	1.7	.1	.1						5.9	6.4
NNE	1.2	2.6	2.9	1.2	.2	.1						8.1	7.8
NE	.5	1.0	2.2	2.7	1.1	.2						7.6	11.0
ENE	.6	.6	.8	1.5	.3	.6		.1				4.7	11.7
E	.1	1.6	2.2	2.8	1.2	.1	.1					8.1	11.6
ESE	.1	.4	1.2	2.0	1.4		.2					5.3	13.3
SE	.2	.4	1.2	1.2	.4							3.4	11.1
SSE		.2	1.1	3.3	.4							5.0	12.3
S	.1	1.3	3.4	4.5	.7	.2						10.2	11.0
SSW	.1	1.2	3.9	2.5	.5							8.2	10.1
SW	.1	.7	2.1	2.1	1.1	.5						6.6	12.3
WSW		.8	1.1	1.2	.4							3.4	10.4
W	.6	1.4	1.6	1.6	.1							5.3	8.6
WNW	.1	.4	1.2	3.2	.3							5.1	11.8
NW	.1	.6	1.2	2.1	.2							4.2	11.0
NNW	.7	1.2	1.4	1.8	.3							5.3	9.3
VARBL													
CALM												3.7	
	4.8	16.8	28.9	35.2	8.5	1.8	.3	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

1126

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEAR

MAR
MONTH

ALL WEATHER
CLASS

01
HOURS (U.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6	2.6	1.9								8.4	7.2
NNE		4.5	.6	.6								5.8	6.1
NE		1.3	2.6	3.2	.6							7.7	11.2
ENE	.6	3.2	3.2	4.5	1.3							12.9	10.1
E		1.9	4.5	8.4	1.3							16.1	11.8
ESE		.6	3.2	.6	1.3							5.8	10.9
SE		.6		1.9	1.3							3.9	13.0
SSE			1.3	1.9	.6							3.9	13.7
S		.6	3.9	4.5	.6							9.7	10.6
SSW	.6	.6	3.9	1.9								7.1	8.8
SW		.6	1.9	2.6			.6					5.8	12.8
WSW				.6								.6	16.0
W		.6	1.3	1.3		.6						3.9	12.0
WNW		.6	.6	.6								1.9	9.3
NW			.6	.6		1.3						2.6	17.5
NNW		1.3	1.3	.6								3.2	7.8
VARBL													
CALM												.6	
	2.6	19.4	31.6	36.1	7.1	1.9	.6					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	1.3	1.9								6.5	8.0
NNE	.6	1.9	5.2									7.7	7.8
NE	1.9	2.6	3.2	3.2								11.0	7.9
ENE		4.5	3.2	1.9	1.9	.6						12.3	10.5
E		2.6	2.6	3.9	.6							9.7	10.3
ESE		.6	1.9	1.9	.6							5.2	10.1
SE			2.6	4.5	.6							7.7	11.9
SSE	.6	1.3		1.9	.6							4.5	9.7
S		.6	.6	7.7	.6							9.7	12.9
SSW		2.6	1.3	1.3								5.2	6.9
SW			1.9	1.3								3.2	10.4
WSW		1.3	1.3	.6								3.2	7.8
W			2.6	.6		1.3						4.5	13.3
WNW	.6	.6	.6									1.9	5.7
NW				.6	.6							1.3	15.0
NNW		1.9	1.3		1.3							4.5	9.6
VARBL													
CALM												1.9	
	5.2	22.6	29.7	31.6	7.1	1.9						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6	3.9	.6								7.1	6.9
NNE	.6	3.9	5.2	.6								10.3	7.2
NE	1.3	2.6	.6	3.2	.6							8.4	8.8
ENE	.6	3.9	3.2	2.6	1.9							12.3	10.3
E	.6	3.2	3.2	3.9								11.0	8.8
ESE		1.3	1.9	1.3								4.5	9.0
SE		.6	1.3	4.5								6.5	11.5
SSE		.6	1.3	.6	.6							3.2	11.0
S		1.3	3.9	4.5	1.3							11.0	11.8
SSW		.6	.6	3.9	.6							5.8	12.6
SW		1.3	1.3	.6								3.2	7.8
WSW			.6	.6	.6							1.9	15.0
W		1.3	1.3	1.3	.6							4.5	10.3
WNW			.6	.6								.6	10.0
NW		.6	.6	.6	.6							1.9	10.7
NNW		1.3	.6	1.9								3.9	10.3
VARBL													
CALM												3.9	
	5.2	23.2	30.3	30.3	7.1							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	5.2	1.3								8.4	8.5
NNE		1.9	3.2	1.3								6.5	7.8
NE	.6	1.3	3.2	1.9								7.1	8.6
ENE		3.2		4.5	2.6	.6						11.0	12.2
E		.6	5.3	3.9	.6							11.0	11.1
ESE		1.3	1.3	3.2	.6							6.5	10.8
SE	.6	.6	2.6	1.9								5.8	8.9
SSE	.6	.6	1.3	2.6	1.3	.6						7.1	12.7
S		.6	3.2	3.9	2.6							10.3	13.3
SSW		.6	1.9	3.9	.6							7.1	11.7
SW			2.6	.6								3.2	10.2
WSW		1.3	1.9	.6	.6							3.9	10.0
W			2.6	.6		.6						3.9	12.5
WNW			.6									.6	8.0
NW			.6	.6								1.3	10.5
NNW	.6	1.3	1.3	.6								3.9	7.2
VARBL													
CALM												2.6	
	2.6	15.5	37.4	31.0	8.4	2.6						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	2.6	1.9								7.1	8.8
NNE		.6	2.6	2.6								5.8	9.8
NE		.6	3.9	3.9	1.3							9.7	11.6
ENE		.6	3.2	3.2	1.3							8.4	11.8
E		1.3	3.9	3.9	1.3	.6						11.0	11.6
ESE		.6	3.9	3.9								8.4	10.5
SE		1.3		.6	1.3							3.2	12.2
SSE			1.9	1.9	1.3	.6						5.8	14.2
S	1.3		3.9	3.2	1.3							9.7	10.9
SSW	.6	.6	3.9	4.5	.6							10.3	11.3
SW	.6	.6	1.3	1.9								3.9	9.7
WSW			1.3	.6								1.9	10.3
W		.6	1.9		1.9							4.5	11.9
WNW	.6		.6	.6								1.9	6.3
NW	.6	.6		1.3		.6						3.2	11.6
NNW		1.3	2.6	.6								4.5	8.3
VARBL													
CALM												.6	
	3.2	11.6	37.4	34.8	10.3	1.9						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

155

0000

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701 MIDWAY ISLAND

73-77

MAR

STATION NAME

YEARS

ALL WEATHER

CLASS

MONTH

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	3.9									7.1	6.7
NNE		1.9	4.5	3.2								9.7	9.4
NE		1.3	3.2	3.2	.6							8.4	10.7
ENE			2.6	3.9	.6							7.1	12.5
E		1.3	3.9	3.9	1.9							11.3	11.9
ESE	.6	1.9	3.2	1.9								7.7	8.5
SE			1.3	1.9		.6						3.9	14.0
SSE	1.3		1.3	1.9								4.5	9.4
S		2.6	3.9	4.5	1.9	.6						13.5	11.7
SSW			1.9	2.6	1.3							5.8	12.6
SW			2.6									2.6	8.8
WSW	.6		1.3	1.3								3.2	10.0
W	.6		.6		1.9							3.2	13.0
WNW		1.3		1.3	.6							3.2	11.6
NW	.6		1.3	1.3								3.2	8.8
NNW		1.3	3.9	.6								5.8	8.4
VARBL													
CALM												.0	
	4.5	14.2	39.4	31.6	9.0	1.3						100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22701 MIDWAY ISLAND STATION NAME YEARS 73-77 MONTH MAR HOUR 19 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.3	3.9	1.3								7.1	8.5
NNE		3.9	5.2	.6								9.7	7.7
NE		1.3	5.2	3.2	.6							10.3	10.9
ENE		1.3	3.9	5.2	1.3							11.6	11.9
E		1.9	3.2	5.8	.6							11.6	10.7
ESE	1.3	.6	1.3	1.3								4.5	7.0
SE		.6	.6	3.2								4.5	11.7
SSE		.6	2.6	.6	.6							4.5	10.4
S		.6	3.9	3.2	.6							8.4	11.1
SSW	.6	1.3	1.9	3.2	.6							7.7	10.8
SW			3.2	1.3	.6							5.2	11.0
WSW		1.3	1.3	.6								3.2	9.0
W			.6	1.3								1.9	12.3
WNW					.6							.6	20.0
NW			1.3	1.9			.6					3.9	15.2
NNW	.6	1.9	1.9	.6								5.2	7.8
VARBL													
CALM												.0	
	3.2	16.8	40.0	33.5	5.8		.6					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	3.2	1.3								10.3	6.9
NNE		3.2	1.9	1.3								6.5	7.6
NE	.6	1.3	3.2	6.5	.6							12.3	11.0
ENE		1.3	3.9	4.5	1.9							11.6	11.6
E		1.9	3.2	3.9	2.6							11.6	11.6
ESE	.6		2.6	.6								3.9	8.8
SE		1.9	.6	3.9								6.5	10.7
SSE		.6	1.9	1.9								4.5	10.3
S		.6	3.2	3.2								7.1	10.7
SSW	1.3	2.6	.6	3.2		.6						8.4	9.6
SW		1.3	1.3	1.9								4.5	10.1
WSW		.6										.6	4.0
W		1.3	.6	1.3	.6							3.9	9.8
WNW			.6	.6								1.3	12.0
NW		.6	.6	.6	.6							2.6	11.3
NNW			.6	1.3		.6						2.6	14.3
VARBL													
CALM												1.9	
	3.2	22.6	28.4	36.1	6.5	1.3						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.3	3.3	1.3								7.7	7.6
NNE	.2	2.7	3.5	1.3								7.7	7.9
NE	.6	1.5	3.1	3.5	.6							9.4	10.1
ENE	.2	2.3	2.9	3.8	1.6	.2						10.9	11.2
E	.1	1.9	3.8	4.7	1.0	.2						11.6	11.0
ESE	.3	.9	2.4	1.9	.3							5.8	9.6
SE	.1	.7	1.1	2.6	.4	.1						5.2	11.5
SSE	.3	.5	1.5	1.7	.6	.2						4.8	11.6
S	.2	.9	3.3	4.4	1.1	.1						9.9	11.7
SSW	.4	1.1	2.0	3.1	.5	.1	.1					7.2	10.8
SW	.3	.5	2.0	1.3	.1							4.0	10.4
WSW	.1	.6	1.0	.6	.2							2.3	10.0
W	.1	.5	1.5	.8	.6	.3						3.8	11.8
WNW	.2	.3	.5	.4	.2							1.5	9.7
NW	.2	.2	.6	.9	.2	.2	.1					2.5	12.6
NNW	.2	1.3	1.7	.8	.2	.1						4.2	8.9
VARBL													
CALM												1.5	
	3.7	18.2	34.3	33.1	7.7	1.4	.2					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

1240

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION A L R E

73-77

YEARS

APR
MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	2.0									4.0	6.2
NNE	1.3	2.7	6.0	.7								10.7	7.9
NE	1.3	4.0	2.0	5.3								12.7	8.9
ENE	.7	3.3	6.0	8.7	2.0							20.7	10.9
E	.7	.7	8.0	12.7	2.7							24.7	12.1
ESE		.7	2.0	2.7								5.3	9.9
SE		.7	.7	1.3								2.7	9.5
SSE	.7	.7	2.0									3.3	6.4
S		2.0		1.3								3.3	7.2
SSW	.7		1.3									2.0	6.3
SW		1.3										1.3	5.5
WSW	.7		.7									1.3	6.0
W	1.3			.7								1.3	2.0
WNW	1.3											2.0	6.0
NW													
NNW		.7	.7	.7								2.0	8.7
VARBL													
CALM												2.7	
	10.0	17.3	31.3	34.0	4.7							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	4.0									6.0	6.8
NNE	.7	2.7	3.3	1.3								8.0	7.5
NE	2.0	2.0	2.7	4.7								11.3	9.0
ENE	1.3	1.3	6.0	11.3	2.0							22.0	11.0
E		1.3	8.7	9.3	.7							20.0	11.1
ESE	.7	.7	3.3	3.3								6.0	10.5
SE		.7	2.0	2.7								5.3	9.1
SSE		.7	.7	.7								2.0	8.0
S		2.0	1.3	.7								4.0	7.5
SSW		.7	.7									1.3	7.0
SW	.7	.7	.7									2.0	6.0
WSW		.7										.7	6.0
W	.7											.7	2.0
WNW	.7	.7		.7								2.0	7.0
NW		.7										.7	4.0
NNW	.7	.7	1.3	.7								3.3	6.8
VARBL													
CALM												2.7	
	8.0	16.7	34.7	35.3	2.7							100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVY WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.0									4.0	6.2
NNE	2.0	4.0	4.0	.7								10.7	6.2
NE	.7	3.3	4.0	6.0								14.0	9.5
ENE		4.0	5.3	9.3	.7							19.3	10.2
E		2.0	7.3	11.3	2.0							22.7	11.5
ESE		.7		2.0	.7							3.3	11.6
SE		2.0	4.7	.7	.7							8.0	9.3
SSE				.7	.7							.7	15.0
S	.7	3.3	.7	.7								5.3	6.3
SSW			1.3									1.3	7.5
SW		.7	1.3									2.0	7.7
WSW													
W	.7	.7										1.3	3.5
WNW	.7	.7										1.3	3.0
NW													
NNW		1.3	1.3	.7								3.3	8.8
VARBL													
CALM												2.7	
	5.3	24.0	32.0	31.3	4.7							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

150

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.7	3.3	.7								6.7	7.2
NNE		2.0	2.7	2.7								7.3	8.8
NE	.7	1.3	1.3	7.3	.7							11.3	11.4
ENE		3.3	4.7	6.7	3.3							18.0	11.6
E		.7	10.0	10.0	1.3							22.0	12.0
ESE	.7	1.3	5.3	4.7								12.0	9.3
SE		.7	2.0	2.0								4.7	9.6
SSE			1.3	.7								2.0	8.7
S	.7	3.3	.7	.7	.7							6.0	7.6
SSW		.7										.7	6.0
SW		.7	1.3									2.0	7.7
WSW		.7	.7									1.3	7.5
W	.7	.7	.7									1.3	3.0
WNW		.7	.7									1.3	5.5
NW													
NNW		.7	.7	.7								2.0	9.7
VARBL													
CALM												1.3	
	2.7	19.3	34.7	36.0	6.0							100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	3.3	.7								5.3	9.0
NNE		.7	2.0	3.3								6.0	10.4
NE		1.3	2.7	4.0	3.3							11.3	12.8
ENE			4.0	12.0	3.3							19.3	12.7
E		3.3	5.3	11.3	2.0							22.0	11.3
ESE	.7	.7	2.7	3.3	.7							8.0	10.8
SE	.7		3.3	2.0								6.0	8.8
SSE	1.3		2.7	.7	.7							4.7	6.9
S		2.0	.7	.7								3.3	9.8
SSW		1.3	.7									2.0	6.0
SW			2.0									2.0	9.7
WSW													
W	1.3	2.0	.7									4.0	5.2
WNW			.7									.7	7.0
NW		1.3	1.3									2.7	6.8
NNW		.7	.7		.7							2.0	10.7
VARBL													
CALM												.7	
	4.0	14.7	32.0	38.0	10.7							100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMJOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	3.3									4.7	7.3
NNE		1.3	4.7	2.0								8.0	9.4
NE		1.3	4.7	10.7	.7							17.3	11.0
ENE		1.3	2.7	5.3	3.3							12.7	12.6
E		1.3	10.0	12.7	1.3							25.3	11.9
ESE		2.0	3.3	2.0								7.3	8.5
SE		.7	1.3	1.3								3.3	9.0
SSE		1.3	.7	.7								2.7	8.0
S	.7	.7	.7	.7		.7						3.3	10.0
SSW		.7	1.3									2.0	7.0
SW		.7	.7	.7								2.0	8.0
WSW													
W	1.3	2.0										3.3	3.8
WNW		1.3			.7							2.0	10.0
NW		.7										.7	5.0
NNW		2.0	2.7									4.7	7.4
VARBL													
CALM												.7	
	2.7	18.0	36.0	36.0	6.0	.7						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

150

2
NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	2.7	1.3								6.0	7.7
NNE	.7	1.3	6.0									8.0	7.5
NE		4.0	6.7	3.3	1.3							17.3	9.1
ENE		1.3	6.0	13.3	2.0							22.7	12.3
E	2.7	2.7	7.3	8.0	1.3							22.0	9.8
ESE		.7	1.3	2.7								4.7	10.1
SE	.7	.7	1.3									2.7	6.5
SSE	.7	.7	1.3									2.7	5.8
S	2.0	2.0	.7	.7		.7						6.0	7.3
SSW		.7										.7	6.0
SW		.7										.7	5.0
WSW			.7	.7								.7	10.0
W		.7	.7									1.3	6.5
WNW	.7											.7	2.0
NW													
NNW	.7		2.0	.7								3.3	7.8
VARBL													
CALM												.7	
	8.7	16.7	38.7	30.0	4.7	.7						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	3.3	.7								8.0	6.6
NNE		3.3	2.0	1.3								6.7	7.6
NE	.7	2.0	6.0	4.0	1.3							14.0	10.1
ENE		3.3	9.3	10.0	2.7							25.3	11.1
E	.7	2.0	4.7	12.0	2.0							21.3	11.4
ESE		.7	2.7	3.3								6.7	10.8
SE	.7	.7	.7	.7								2.7	6.8
SSE	.7	1.3	1.3	.7								4.0	7.0
S		.7	2.0									2.7	7.0
SSW	.7											.7	2.0
SW		.7										.7	6.0
WSW			.7									.7	7.0
W	.7	.7										1.3	4.0
WNW													
NW													
NNW	.7			.7	.7							2.0	14.3
VARBL													
CALM												3.3	
	6.7	17.3	32.7	32.7	6.7	.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR

MONTH

ALL WEATHER

CLASS

ALL

MOORE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	3.0	.4								5.0	7.1
NNE	.6	2.2	3.8	1.5								8.2	8.0
NE	.7	2.4	4.0	5.7	.9							13.7	10.2
ENE	.2	2.2	5.5	9.6	2.4							20.0	11.5
E	.5	1.7	7.7	10.9	1.7							22.5	11.4
ESE	.2	.9	2.6	3.0	.2							6.9	10.0
SE	.2	.7	2.0	1.3	.1							4.4	8.8
SSE	.4	.6	1.2	.5								2.7	7.3
S	.5	2.0	.7	.7	.2	.2						4.2	7.7
SSW	.2	.5	.7									1.3	6.3
SW	.1	.7	.7	.1								1.6	7.3
WSW	.1	.2	.3									.6	7.1
W	.6	.8	.2									1.8	4.1
WNW	.4	.4	.2	.2	.1							1.2	6.3
NW	.3	.3	.2									.5	6.0
NNW	.2	.7	1.2	.3	.2	.1						2.8	8.8
VARBL													
CALM												1.6	
	6.0	18.0	34.0	34.2	5.7	.2						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	7.0
NNE	.6	2.6	1.3	.6								5.2	6.4
NE	1.9		4.5	2.6								9.0	8.8
ENE	2.6	.6	3.2	7.1								13.5	9.2
E	1.9	2.6	8.4	6.5								19.4	8.9
ESE	.6	3.9	3.9	2.6	.6							11.6	8.8
SE	.6	2.6	4.5	2.6								10.3	8.8
SSE	1.3	1.9	5.2	1.9								10.3	7.8
S	.6	2.6	3.9									7.1	6.7
SSW			1.9	.6								2.6	9.5
SW		.6	.6									1.3	7.0
WSW													
W	.6			.6								1.3	7.5
WNW													
NW			1.3									1.3	8.5
NNW		.6										.6	5.0
VARBL													
CALM												5.2	
	11.0	18.7	39.4	25.2	.6							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	.6	.6			.6					3.2	9.8
NNE	1.9	1.3	.6	.6								4.5	5.0
NE	1.3	.6	5.2	5.8								12.9	9.5
ENE	.6	1.9	5.8	3.2	.6							12.3	9.1
E	.6	2.6	6.5	4.5								14.2	9.0
ESE		4.5	1.9	3.2		.6						10.3	9.8
SE		3.9	5.2	1.3	.6							11.0	8.7
SSE		1.9	1.3	1.3								4.5	8.9
S	1.9	2.6	5.8	1.9								12.3	7.5
SSW	.6	1.3	.6	.6								2.6	5.5
SW	.6	.6	.6	1.3								3.2	8.2
WSW		1.3		.6								1.9	6.7
W				.6								.6	11.0
WNW			.6									.6	8.0
NW												.6	2.0
NNW	.6												
VARBL													
CALM												5.2	
	9.7	23.2	34.8	24.5	1.3	.6	.6					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22701

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3										3.2	3.2
NNE	.6	1.3	1.9									3.9	6.5
NE		1.3	3.2	5.2								9.7	10.3
ENE		2.6	4.5	5.2								12.3	9.8
E	1.3	3.9	6.4	5.8								19.4	8.7
ESE	1.3	3.2	2.6	3.9								11.0	8.2
SE		.6	5.2	2.6								8.4	9.3
SSE		.6	3.2	1.3	.6							5.8	9.3
S	1.3	3.2	4.5	1.3								10.3	7.2
SSW		1.3	.6	1.3								3.2	9.2
SW		.6	.6	1.3								2.6	9.0
WSW			.6									.6	7.0
W													
WNW		.6										.6	5.0
NW	.6		.6									1.3	5.5
NNW		.6	1.3									1.9	6.7
VARBL													
CALM												5.8	
	7.1	21.3	37.4	27.7	.6							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY

MONTH

ALL WEATHER
CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	.6									2.6	6.0
NNE			1.9									1.9	7.7
NE			3.2	3.2	.6							9.0	10.9
ENE		.6	3.9	9.0	.6							14.2	11.4
E		4.5	6.5	7.1								18.1	9.4
ESE	1.3	1.3	4.5	4.5	.6							12.3	9.6
SE	1.3	3.2	3.9	2.6	1.3							12.3	8.9
SSE	1.3	.6	3.2									5.2	7.1
S	1.9	3.9	4.5	1.3		.6						12.3	7.8
SSW		1.3	1.9		.6							3.9	9.2
SW				1.9								1.9	12.7
WSW		.6	.6									1.3	6.0
W	.6	.6	.6									1.9	4.3
WNW				.6								.6	11.0
NW		.6										.6	6.0
NNW		1.3	.6									1.9	6.3
VARBL													
CALM												.0	
	6.5	20.6	38.1	30.3	3.9	.6						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		3.2										3.2	4.8
NNE			1.9	5.6								2.6	9.8
NE		.6	5.8	3.9	.6							11.0	11.1
ENE	.6	.6	3.2	4.5	.6							9.7	11.0
E		3.9	6.5	9.0								19.4	10.4
ESE	.6	2.6	6.5	1.9	1.3							12.9	9.2
SE	1.3	1.9	1.3	5.2	.6							10.3	9.5
SSE	1.3	4.5	3.2	1.3	.6							11.0	7.6
S		3.2	4.5	1.3								9.0	7.7
SSW		.6	1.9		.6							3.2	10.4
SW				2.6								2.6	13.8
WSW		1.3										1.3	4.0
W		.6										.6	6.0
WNW			1.3									1.3	9.0
NW		.6										.6	6.0
NNW		1.3										1.3	6.0
VARBL													
CALM												.0	
	3.9	25.2	36.1	30.3	4.5							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3										1.9	4.7
NNE		.6	1.9	1.3								3.9	9.2
NE	.6	1.3	4.5	2.6	.6							9.7	9.8
ENE		1.3	5.2	7.1								13.5	11.0
E		2.6	7.7	9.7								20.0	10.3
ESE		1.3	3.2	2.6	.6							7.7	10.3
SE		5.8	5.2	3.2	.6							14.8	9.2
SSE	1.3	1.3	2.6	.6								5.8	6.3
S	.6	.6	4.5									5.8	7.4
SSW	.6	1.3	3.2	1.3	.6							7.1	8.7
SW		1.3	.6	1.3								3.2	8.8
WSW													
W	.6											.6	2.0
WNW		.6	.6									1.3	6.5
NW	.6		.6									1.3	6.0
NNW	.6	.6	1.3	.6								3.2	7.2
VARBL													
CALM												.0	
	5.8	20.0	41.3	30.3	2.6							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

8888

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

8888

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6									1.9	5.7
NNE	1.9	1.9	2.6	.6								7.1	6.2
NE	.6	1.3	2.6	6.5								11.0	10.5
ENE	.6	.6	7.1	3.2								12.3	9.6
E	1.3	1.9	9.7	7.1								20.0	9.5
ESE		.6	7.1	.6		.6						9.9	9.6
SE	.6	3.9	3.9	1.3								9.7	7.5
SSE		1.9	1.9	2.6	.6							7.1	10.0
S	1.3	1.9	3.2									6.3	6.1
SSW		1.9	1.9	.6								4.3	8.1
SW				1.9								1.9	11.0
WSW	.6											.6	2.0
W	2.6	.6										3.2	2.6
WNW													
NW		.6		.6								1.3	8.5
NNW	1.3	.6	.6									2.6	5.0
VARBL													
CALM												1.3	
	11.5	18.7	41.9	25.2	.6	.6						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

155

8888

AD-A062 040

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MIDWAY --ETC(U)
JUL 78

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UNCLASSIFIED

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2 OF 4
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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6	.6								1.3	7.0
NNE	4.5		1.3	.6								6.5	4.9
NE		2.6	3.9	3.9								10.3	9.7
ENE	1.3	.6	5.2	5.8								12.9	10.0
E	2.6	2.6	9.0	7.1								21.3	8.6
ESE		3.9	5.2	1.9	.6							11.6	9.4
SE	.6	2.6	3.9	1.9								9.0	8.3
SSE	.6	1.3	2.6	1.9								6.5	8.2
S	.6	2.6	2.6									5.8	5.4
SSW			1.9	.6								2.6	9.5
SW	.6	.6	1.3									2.6	6.3
WSW	.6	.6										1.3	4.5
W				.6								.6	13.0
WNW	.6											.6	1.0
NW		.6		.6								1.3	9.0
NNW		1.3										1.3	5.0
VARBL													
CALM												4.5	
	12.3	20.0	27.4	25.2	.6							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.4				.1					2.3	5.9
NNE	1.2	1.0	1.7	.6								4.4	6.5
NE	.6	1.0	4.4	4.2	.2							10.3	10.1
ENE	.7	1.1	4.8	5.6	.2							12.6	10.1
E	1.0	3.1	7.8	7.1								19.0	9.4
ESE	.5	2.7	4.4	2.7	.5	.2						10.8	9.3
SE	.6	3.1	4.1	2.6	.4							10.7	8.8
SSE	.7	1.8	2.9	1.4	.2							7.0	8.1
S	1.0	2.6	4.2	.7		.1						6.6	7.1
SSW	.2	1.0	1.8	.6	.2							3.7	8.8
SW	.2	.5	.5	1.3								2.4	9.5
WSW	.2	.3	.2									.6	4.8
W	.6	.4	.1	.2								1.3	5.1
WNW	.1	.2	.2	.2								.6	7.4
NW	.2	.3	.4	.2								1.0	7.3
NNW	.3	.8	.5	.1								1.7	5.9
VARBL													
CALM												2.7	
	8.5	21.0	38.3	27.3	1.9	.2	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

1240

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.3	3.5
NNE	.7	.7										1.3	4.0
NE	.7	.7	1.3	2.0								4.7	8.3
ENE	2.0	1.3	4.0	1.3								8.7	7.4
E	2.7	5.3	6.0	2.7								16.7	7.1
ESE	2.7	6.0	2.7									11.3	5.3
SE	1.3	3.3	2.0	2.0								8.7	7.3
SSE	1.3	1.3	1.3									4.0	6.0
S	1.3	1.3	2.7	.7								6.0	6.6
SSW	2.0	4.0	.7	1.3	.7							8.7	6.8
SW	.7	.7	.7	1.3								3.3	8.2
WSW		2.7	2.7	.7								6.0	6.8
W	.7	2.7	.7									4.0	5.2
WNW	.7	2.0										2.7	4.0
NW	.7	.7	.7									1.3	4.5
NNW	.7	.7	1.3									2.7	6.5
VARBL													
CALM												8.7	
	18.7	33.3	26.7	12.0	.7							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	4.0
NNE	3.3	.7										4.0	3.0
NE			.7	1.3								2.0	13.0
ENE	3.3	3.3	4.7	2.0								13.3	6.6
E		3.3	3.3	2.7								11.3	8.5
ESE	.7	5.3	.7	.7								7.3	5.7
SE	2.0	3.3	2.0	2.7								10.0	7.5
SSE	.7	.7	2.0	.7								4.0	7.3
S		4.7	2.0	.7								7.3	6.6
SSW	2.0	.7	1.3	2.0	.7							6.7	9.0
SW	1.3	2.7	2.7	.7								7.3	6.6
WSW	.7	2.7	2.7	.7								6.7	6.7
W	1.3	1.3	.7									3.3	4.0
WNW		.7										.7	4.0
NW		1.3		.7								2.0	7.7
NNW		.7	1.3									2.0	7.7
VARBL													
CALM												11.3	
	15.3	32.0	26.0	14.7	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.7									2.0	5.7
NNE	.7	1.3										2.0	3.7
NE		.7	.7	2.0								3.3	10.2
ENE	1.3	3.3		2.0	.7							7.3	7.9
E	1.3	3.3	9.3	3.3								17.3	8.1
ESE		2.0	4.0	.7								6.7	7.1
SE	2.0	4.0	2.7	2.0								10.7	7.3
SSE	1.3	.7	2.7	.7								5.3	7.1
S	2.7	3.3	1.3									7.3	4.7
SSW		3.3	3.3	.7	.7							8.0	8.8
SW	.7	2.7	5.3	.7								9.3	7.1
WSW	1.3	.7	1.3	.7								4.0	6.7
W	2.7	2.7	.7									6.0	3.9
WNW													
NW		.7	1.3									2.0	7.7
NNW		2.0										2.0	4.7
VARBL													
CALM												6.7	
	14.0	32.0	33.3	12.7	1.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

8870

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

MOORE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

8880

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.7	.7									1.3	6.5
NNE		.7										.7	4.0
NE			1.3	.7								2.0	10.7
ENE		.7	4.0	3.3								8.0	10.6
E	.7	3.3	6.0	8.0								18.0	9.6
ESE	.7	2.7	2.0	.7								6.0	7.3
SE	1.3	5.3	3.3	3.3								13.3	7.6
SSE	.7	4.7	3.3	.7								9.3	6.2
S		4.0	4.0									8.0	6.6
SSW		2.0	4.0	1.3	1.3							8.7	9.5
SW	.7	2.0	2.0	3.3								8.0	8.9
WSW	.7	1.3	2.7									4.7	6.4
W	2.0	2.0	2.0	.7								6.7	5.8
WNW		1.3		.7								2.0	7.0
NW		.7	.7									1.3	8.0
NNW			2.0									2.0	8.3
VARB													
CALM												.0	
	6.7	31.3	38.0	22.7	1.3							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

150

8880

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22701

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	5.0
NNE		.7	.7									1.3	6.5
NE			2.7	.7								3.3	9.2
ENE		.7	2.7	3.3	.7							7.3	11.8
E		2.0	4.0	8.7								14.7	10.4
ESE		.7	2.7									3.3	8.0
SE	3.3	4.0	5.3	3.3								16.0	7.4
SSE		4.7	4.7	.7								10.0	7.0
S		4.7	3.3	1.3								9.3	7.0
SSW		2.0	4.0	2.7	.7							9.3	9.9
SW		.7	2.0	2.0								4.7	9.6
WSW	1.3	3.3	3.3	1.3								9.3	7.4
W		2.7	.7									3.3	5.6
WNW	.7	.7	.7	.7								2.7	7.0
NW		.7	.7									1.3	6.5
NNW		2.0	.7	.7								3.3	6.6
VARBL													
CALM												.0	
	5.3	30.0	38.0	25.3	1.3							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0070

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEAR

JUN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

0088

TOTAL NUMBER OF OBSERVATIONS

150

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.3									2.7	6.3
NNE		.7	.7	.7								2.0	8.3
NE		1.3	.7	2.0								4.0	9.7
ENE		.7	3.3	1.3	.7							6.0	10.9
E	.7	2.0	5.3	8.0								16.0	9.9
ESE	.7	1.3	3.3	1.3								6.7	7.9
SE	.7	6.0	1.3	2.7								10.7	7.6
SSE	2.0	2.0	4.0	.7								8.7	6.7
S	2.0	4.7	3.3									10.0	5.9
SSW		3.3	1.3	2.0	.7							7.3	8.5
SW			4.0	2.7								6.7	10.2
WSW	.7	2.0	3.3	.7	.7							7.3	8.3
W	1.3	2.7	2.0									6.0	5.7
WRW		1.3	1.3	.7								3.3	8.2
NW		.7	.7	.7								2.0	8.0
NNW			.7									.7	9.0
VARBL													
CALM												.0	
	8.0	30.0	36.7	23.3	2.0							100.0	8.2

DIRNA VOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	6.0
NNE		.7	.7									1.3	8.0
NE		4.7	2.0	1.3	.7							8.7	7.8
ENE		2.0	2.7	4.0								8.7	9.8
E	2.7	2.7	7.3	3.3								16.0	7.9
ESE	2.0	2.7	2.7									7.3	5.6
SE	.7	1.3	1.3	2.0								5.3	8.5
SSE	4.0	2.0	2.0	.7								8.7	5.1
S	2.0	2.7	2.0									6.7	4.8
SSW	2.7	.7	.7	.7	.7							5.3	6.8
SW	2.7	2.7	1.3	.7								7.3	5.9
WSW	.7	3.3	2.0	1.3								7.3	6.8
W	3.3	4.7	.7									8.7	4.2
WNW		1.3	.7									2.0	6.3
NW		1.3		.7								2.0	7.3
NNW	1.3	1.3	.7									3.3	4.6
VARBL													
CALM												.0	
	22.0	35.3	26.7	14.7	1.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.3	3.0
NNE	2.0	2.0	.7									4.7	4.6
NE	1.3	.7		2.0								4.0	9.2
ENE	.7		3.3	5.3								9.3	10.6
E	1.3	2.0	10.7	1.3								15.3	7.8
ESE	2.0	2.0	4.0	.7								8.7	6.5
SE	.7	5.3	.7	2.0								8.7	6.6
SSE		3.3	1.3	.7								5.3	6.9
S	.7	2.0	.7	.7								4.0	7.3
SSW	.7	2.0	1.3		.7							4.7	7.6
SW	1.3	2.0	.7	1.3								5.3	6.6
WSW	.7	2.0	1.3									4.0	5.3
W	6.0	1.3	1.3									8.7	3.5
WNW	.7	1.3										2.0	4.3
NW		.7	.7									1.3	7.5
NNW	.7		.7									1.3	5.0
VARBL													
CALM												11.3	
	19.3	27.3	27.3	14.0	.7							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	.3									1.4	5.2
NNE	.8	.9	.3	.1								2.2	4.9
NE	.2	1.0	1.2	1.5	.1							4.0	9.2
ENE	.9	1.5	3.1	2.8	.2							8.6	9.2
E	1.2	3.0	6.7	4.7								15.7	8.7
ESE	1.1	2.8	2.7	.5								7.2	6.5
SE	1.5	4.1	2.3	2.5								10.4	7.4
SSE	1.2	2.4	2.7	.6								6.9	6.5
S	1.1	3.4	2.4	.4								7.3	6.1
SSW	.9	2.2	2.1	1.3	.7							7.3	8.5
SW	.9	1.7	2.3	1.6								6.5	7.8
WSW	.7	2.2	2.4	.7	.1							6.2	6.9
W	2.2	2.5	1.1	.1								5.8	4.6
WNW	.2	1.1	.3	.2								1.9	6.2
NW	.1	.7	.6	.2								1.7	7.3
NNW	.3	.8	.9	.1								2.2	6.3
VARBL													
CALM												4.7	
	13.7	31.4	31.6	17.4	1.2							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE	1.3	1.3		.6								3.2	6.0
NE	.6		.6									1.3	4.5
ENE	.6	1.9	12.3	10.3								25.2	10.1
E	1.3	4.5	13.5	16.8	1.9							38.1	10.5
ESE	.6	2.6	3.9	1.9	.6							9.7	8.7
SE		1.3	3.2	1.3								5.3	9.0
SSE		.6	1.3	.6								2.6	8.8
S		3.2	1.3	.6								5.2	6.9
SSW		.6										.6	4.0
SW			3.2	.6								3.9	8.7
WSW													
W													
WNW													
NW													
NNW			.6									.6	9.0
VARBL													
CALM												3.2	
	5.2	16.1	40.0	32.9	2.6							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.3										1.3	5.0
NE	.6	1.9	.6	.6								3.9	6.3
ENE	1.3	1.3	10.3	8.4								21.3	9.7
E	1.9	3.9	14.2	16.8	1.3							38.1	10.3
ESE		2.6	3.2	3.9	.6							10.3	10.3
SE		1.3	2.6	1.9	.6							6.3	9.6
SSE		.6	1.3									1.9	7.7
S		1.9	1.9	1.9								5.8	9.1
SSW		.6	.6									1.3	5.5
SW			1.9	1.3								3.2	10.4
WSW		.6	.6									1.3	6.5
W													
WNW													
NW													
NNW													
VARBL													
CALM												5.2	
	3.9	16.1	37.4	34.8	2.6							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

155

1225

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.3										1.3	5.0
NE	1.3	.6		1.9								3.9	8.2
ENE		2.6	9.0	8.4								20.0	10.1
E	1.3	5.2	14.8	18.1								39.4	10.1
ESE		3.2	5.8	1.9	.6							11.6	8.4
SE		1.3	2.6	1.3								5.2	8.5
SSE		.6	1.9	1.3								3.9	9.5
S		2.6	.6	.6								3.9	7.2
SSW			1.3	1.9								3.2	10.0
SW			1.3	.6								1.9	9.0
WSW		.6	.6									1.3	7.0
W													
WNW		.6										.6	4.0
NW													
NNW													
VARBL													
CALM												3.9	
	2.6	18.7	38.1	36.1	.6							100.0	9.1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	3.5
NNE			.6									.6	8.0
NE	.6	1.3	1.3	.6								3.9	7.2
ENE		.6	5.2	8.4	.6							14.6	11.7
E		3.9	14.8	23.2	3.9							45.8	11.7
ESE			2.6	5.8								8.4	11.2
SE		.6	3.9	1.9								6.5	9.5
SSE	.6	1.9	.6	1.3								4.5	7.6
S		1.3	.6	1.9								3.9	10.0
SSW	.6	1.3	1.9	1.3								5.2	7.5
SW			1.3	.6								1.9	9.7
WSW		.6		.6								.6	12.0
W												1.3	3.5
WNW												.6	6.0
NW		.6											
NNW													
VARBL													
CALM												.6	
	3.2	12.9	32.9	45.8	4.5							100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	6.0
NNE													
NE			1.3	.6								1.9	9.3
ENE		.6	3.9	6.5	1.3							12.3	12.0
E		3.9	14.8	24.5	5.2							48.4	11.9
ESE			5.2	5.8	.6							11.6	11.2
SE		1.3	3.9	1.3								6.5	8.8
SSE		1.9	.6	.6								3.2	7.4
S		1.3	1.9	1.3								4.5	9.7
SSW			1.9	.6								2.6	9.3
SW	.6		.6	1.9								3.2	10.4
WSW		.6	.6									1.3	6.5
W													
WNW			.6									.6	8.0
NW		.6	.6									1.3	6.0
NNW	.6	.6										1.3	3.5
VARBL													
CALM												.6	
	1.3	11.6	36.1	43.2	7.1							100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	6.0
NNE		.6	.6									1.3	6.0
NE		.6	1.3	1.3								3.2	9.4
ENE	.6	1.3	5.2	8.4	1.3							16.8	11.1
E		1.9	12.9	19.4	6.5							40.6	12.2
ESE	.6	.6	7.1	4.5								12.9	9.9
SE		2.6	3.9									6.5	7.8
SSE	1.9		2.6									4.5	6.4
S	.6		1.9									2.6	7.0
SSW			1.9	.6								2.6	9.3
SW			.6	1.9								2.6	11.8
WSW	.6	.6	.6									1.9	6.0
W	.6	.6										1.3	3.5
WNW		.6	.6									1.3	6.5
NW													
NNW		.6	.6									1.3	5.5
VARBL													
CALM												.0	
	5.2	11.0	40.0	36.1	7.7							100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	5.0
NNE		.6										.6	4.0
NE	1.3	2.6	.6	.6								5.2	5.9
ENE	1.3	1.9	11.0	8.4	.6							23.2	9.7
E	.6	3.2	7.7	20.0	4.5							36.1	12.0
ESE	.6	1.9	3.9	4.5	.6							11.6	9.8
SE	.6	1.3	3.2	.6								5.8	7.7
SSE	.6	1.3	1.9									3.9	6.3
S			1.3									1.3	7.5
SSW		1.3	1.3									2.6	6.3
SW			1.3	1.9								3.2	11.6
WSW		.6	.6									1.3	6.0
W													
WNW	.6	.6	.6									1.9	5.0
NW	.6											.6	2.0
NNW	.6											.6	2.0
VARBL													
CALM												1.3	
	7.1	16.1	33.5	36.1	5.8							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE	.6	1.9										2.6	3.8
NE		1.3	2.6	.6								4.5	6.3
ENE	1.9	1.9	7.7	9.7								21.3	9.5
E	1.3	1.9	14.2	17.4	3.2							38.1	11.3
ESE	.6	1.9	5.8	5.2	.6							14.2	9.7
SE	.6	.6	3.2									4.5	7.0
SSE		1.3	.6									1.9	7.3
S		1.3	.6	.6								2.6	7.5
SSW		1.3	.6									1.9	6.0
SW			2.6	.6								3.2	9.6
WSW													
W		.6										.6	6.0
WNW													
NW		.6										.6	6.0
NNW													
VARBL													
CALM												3.2	
	5.2	15.5	38.1	34.2	3.9							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4										.6	4.3
NNE	.2	.2	.2	.1								1.4	5.2
NE	.6	1.0	1.0	.8								3.5	7.4
ENE	.7	1.5	8.1	8.5	.5							19.4	10.3
E	.8	3.5	13.4	19.5	3.3							40.6	11.3
ESE	.3	1.6	4.7	4.2	.5							11.3	9.9
SE	.2	1.3	3.3	1.0	.1							5.9	8.6
SSE	.4	1.0	1.4	.5								3.3	7.6
S	.1	1.5	1.3	.9								3.7	6.3
SSW	.1	.6	1.2	.6								2.5	7.8
SW	.1		1.6	1.2								2.9	10.1
WSW	.1	.4	.4	.1								1.0	6.8
W	.2	.2										.4	4.0
WNW	.1	.2	.2									.6	5.7
NW	.1	.2	.1									.4	5.2
NNW	.2	.2	.2									.5	4.8
VARBL													
CALM												2.3	
	4.2	14.8	37.0	37.4	4.4							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG

MOUTH

ALL WEATHER

CLASS

01

MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	4.0
NNE	1.9	.6	.6									3.2	3.4
NE	1.9	3.2		1.9								7.1	5.5
ENE	1.9	4.5	5.2	5.8								17.4	8.0
E		1.9	13.5	9.0	.6							25.2	9.9
ESE	.6	3.2	8.4	3.2								15.5	8.4
SE	1.3	.6	5.2	2.6								9.7	8.7
SSE	1.3	.6	1.9	.6								4.5	6.6
S		3.9	.6	1.9								6.5	8.2
SSW	.6	.6		.6								1.3	3.0
SW			.6									1.3	10.5
WSW												.6	4.0
W		.6	.6	.6								1.3	10.5
WNW												.6	4.0
NW												.6	4.0
NNW		.6										4.5	
VARBL													
CALM													
	10.3	21.3	36.8	26.5	.6							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

155

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

1116

TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE	1.3	1.9	.6									3.9	4.7
NE	1.9	2.6	1.3	1.9								7.7	6.8
ENE	3.9	3.9	3.2	2.6								13.5	6.5
E	1.3	4.5	12.3	7.1	.6							25.8	8.8
ESE	.6	1.3	7.7	.6	.6							11.0	9.1
SE	.6	1.3	4.5	1.3	1.3							9.0	9.4
SSE		1.3	3.2	.6								5.2	8.1
S	1.3	3.2	1.3	.6								6.5	6.3
SSW		1.3	1.9	.6								3.9	8.3
SW				1.3								1.3	12.5
WSW													
W	.6	.6	.6									1.9	5.3
WNW		.6										.6	6.0
NW													
NNW	.6	.6										1.3	3.5
VARL													
CALM												7.7	
	12.9	23.2	36.8	16.8	2.6							100.0	7.2

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.6										2.6	2.5
NNE	1.9	1.3										3.2	3.8
NE	.6	2.6	2.6	1.3								7.1	7.7
ENE	1.3	2.6	5.8	3.9	.6							14.2	8.9
E	1.9	7.1	9.7	6.5								25.2	8.2
ESE		2.6	7.1	4.5								14.2	9.3
SE		1.3	1.9	3.2								6.5	10.4
SSE	.6	3.2	1.9	.6								6.5	7.2
S	.6	1.9	3.2	.6								6.5	6.9
SSW		1.9										1.9	5.3
SW	.6	.6	1.3	.6								3.2	8.2
WSW			.6									.6	10.0
W													
WNW		.6										.6	5.0
NW		.6										.6	5.0
NNW			1.9									1.9	8.0
VARBL													
CALM												5.2	
	9.7	27.1	36.1	21.3	.6							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE		2.6										2.6	5.5
NE		1.3	3.9	3.2	.6							9.0	9.9
ENE		1.9	5.2	3.2								10.3	9.8
E		4.5	11.0	9.0	.6							25.2	9.6
ESE		2.6	10.3	7.7								20.6	9.8
SE	.6	3.2	3.2	1.9								9.0	7.5
SSE		.6	1.9	.6								3.2	6.6
S		3.2	2.6	.6								6.5	7.5
SSW		1.9	1.3									3.2	6.6
SW		.6	.6	1.3								1.9	11.0
WSW		.6	.6									1.3	6.0
W		.6										.6	4.0
WNW		1.3										1.3	5.0
NW	.6											.6	2.0
NNW		.6	1.9	.6								3.2	6.8
VARBL													
CALM												.6	
	1.3	25.8	42.6	28.4	1.3							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	6.5
NNE		.6	1.9									2.6	7.8
NE	.6	2.6	1.9	2.6								7.7	8.5
ENE		1.3	4.5	6.5	.6							12.9	11.0
E		1.9	15.5	6.5	1.3							25.2	10.1
ESE		.6	7.7	8.4	.6							17.4	10.3
SE		.6	3.2	3.2								7.1	9.9
SSE		3.2	1.9									5.2	5.9
S		3.9	4.5	.6								9.0	7.5
SSW		.6	3.2									3.9	7.8
SW				1.3								1.3	15.0
WSW				.6								.6	11.0
W		1.3	.6									1.9	6.0
WNW													
NW		.6		.6								1.3	8.5
NNW		.6	1.3									1.9	7.0
VARBL													
CALM												.6	
	.6	18.7	47.1	30.3	2.6							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									1.9	6.0
NNE	.6	.6	.6									1.9	5.3
NE	.6	.6	3.2	3.9								8.4	9.6
ENE	.6	1.9	3.9	5.2	.6							12.3	10.0
E		1.9	16.1	6.5	.6							25.2	9.7
ESE	.6	2.6	5.8	7.1	.6							16.8	9.9
SE	1.3	2.6	5.2	.6								9.7	7.3
SSE	1.9	1.3	1.9	1.3								6.5	6.7
S	.6	1.9	1.9									4.5	6.1
SSW		1.9	2.6	.6								5.2	7.3
SW		.6	.6	.6								1.9	9.7
WSW			.6	.6								1.3	10.5
W		1.3										1.3	4.5
WNW	.6		.6									1.3	5.5
NW		1.3		.6								1.9	6.7
NNW													
VARBL													
CALM												.0	
	7.1	20.0	43.9	27.1	1.9							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9			.6								2.6	4.5
NNE	1.3	1.9										3.2	4.0
NE		1.3	3.2									4.5	7.0
ENE		3.9	5.8	6.5	.6							16.8	10.0
E	.6	4.5	16.8	8.4	.6							31.0	9.0
ESE	.6	3.9	8.4	2.6								15.5	8.2
SE	1.3	1.9	3.9	.6								7.7	6.8
SSE		1.9	1.9									3.9	7.5
S		1.3	1.9									3.2	7.0
SSW		.6	1.3									1.9	7.3
SW	.6	.6	.6									1.9	6.3
WSW	.6		.6	.6								1.9	8.0
W	1.9											1.9	2.7
WNW		.6	.6									1.3	6.0
NW	.6											.6	3.0
NNW		.6										.6	5.0
VARBL													
CALM												1.3	
	9.7	23.2	45.2	19.4	1.3							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6										1.9	2.7
NNE	.6	.6	.6									1.9	4.7
NE	.6	3.2	2.6	1.3								7.7	7.3
ENE	2.6	2.6	5.2	5.2	.6							16.1	8.8
E	1.9	6.5	14.2	7.1	1.3							31.0	8.9
ESE		1.3	8.4	4.5								14.2	9.6
SE	.6	1.3	3.9	1.9								7.7	8.4
SSE	.6	1.9	.6									3.2	5.0
S	.6	1.3	1.3									3.2	6.8
SSW	1.9	.6	1.3	.6								4.5	5.0
SW		.6	.6									1.3	6.5
WSW				.6								.6	12.0
W			.6									.6	7.0
WNW		.6										.6	4.0
NW			.6									.6	9.0
NNW			.6									.6	8.0
VARBL													
CALM												3.9	
	11.0	21.3	40.6	21.3	1.9							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.6	.2	.1								1.6	4.1
NNE	1.0	1.3	.6									2.8	4.8
NE	.8	2.2	2.3	2.0	.1							7.4	7.9
ENE	1.3	2.8	4.8	4.8	.4							14.2	9.1
E	.7	4.1	13.6	7.5	.7							26.7	9.2
ESE	.3	2.3	8.0	4.8	.2							15.6	9.4
SE	.7	1.6	3.9	1.9	.2							8.3	8.5
SSE	.6	1.8	1.9	.5								4.8	6.9
S	.4	2.6	2.2	.6								5.7	7.1
SSW	.3	1.2	1.5	.2								3.2	6.7
SW	.2	.3	.6	.7								1.8	9.6
WSW	.1	.1	.3	.3								.8	9.0
W	.3	.6	.2									1.1	4.7
WNW	.1	.5	.2	.1								.9	6.3
NW	.2	.3	.1	.2								.7	6.2
NNW	.1	.4	.7	.1								1.3	7.1
VARBL													
CALM												3.0	
	7.8	22.6	41.1	23.9	1.6							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	7.0
NNE	4.0	4.0	3.3									11.3	5.1
NE	1.3	3.3	2.0									6.7	5.4
ENE	2.7	4.0	8.0	1.3								16.0	7.0
E		4.7	8.7	10.0	2.0							25.3	10.6
ESE	.7	2.0	3.3	1.3								7.3	8.3
SE			1.3	1.3								2.7	10.0
SSE		.7	6.0		.7							7.3	9.5
S	.7	1.3	1.3	.7								4.0	6.7
SSW		.7	.7	.7								1.3	8.0
SW		1.3	.7	.7								2.7	7.5
WSW	.7	.7										1.3	3.0
W	.7	.7	.7									2.0	5.3
WNW			.7									.7	7.0
NW		.7										.7	6.0
NNW	.7											.7	2.0
VARBL													
CALM												9.3	
	11.3	24.0	36.7	16.0	2.7							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	1.3									2.0	6.7
NNE	4.0	1.3	.7									6.0	4.2
NE	2.7	3.3	4.7									10.7	5.6
ENE	2.0	2.7	5.3	4.0	.7							14.7	8.3
E		4.0	8.7	8.0								20.7	9.7
ESE		4.0	2.7	2.0								8.7	8.1
SE	1.3	.7	2.7	1.3								6.0	7.3
SSE	.7		3.3		.7							4.7	8.0
S	.7	2.0	.7	1.3								4.7	8.0
SSW	.7	.7										1.3	3.5
SW		.7	.7									1.3	6.5
WSW		.7	.7	.7								2.0	9.3
W		2.0	.7									2.7	5.3
WNW		.7		.7								1.3	8.0
NW			.7									.7	8.0
NNW	.7	.7										1.3	3.0
VARBL													
CALM												11.3	
	12.7	24.0	32.7	18.0	1.3							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	5.3	6.0	2.0									13.3	4.5
NE	2.0	1.3	4.7	.7								8.7	6.9
ENE	.7	4.7	6.0	6.0								17.3	8.5
E		2.7	9.3	7.3								19.3	9.9
ESE	.7	2.7	.7	2.7	.7							7.3	9.3
SE		2.0	1.3									3.3	6.6
SSE			2.7	.7		.7						4.0	11.5
S		1.3	2.0		1.3							4.7	9.9
SSW				.7								.7	14.0
SW		.7	1.3									2.0	7.0
WSW		.7		.7								1.3	7.5
W	.7	1.3	.7									2.7	5.3
WNW		2.0										2.0	5.0
NW			.7									.7	8.0
NNW	.7	.7										1.3	2.5
VARBL													
CALM												11.3	
	10.0	26.0	31.3	18.7	2.0	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	2.0									5.3	5.3
NNE		3.3	3.3									6.7	6.9
NE		2.7	4.7	1.3								8.7	8.3
ENE		2.0	4.7	5.3								12.0	9.9
E	3.3	2.7	10.7	10.0	.7							27.3	9.6
ESE		.7	4.7	3.3								8.7	9.8
SE	.7	1.3	2.7	1.3								6.0	8.0
SSE		1.3	1.3	1.3	.7							4.7	10.3
S	.7	1.3	.7		1.3							4.0	9.3
SSW		.7	.7	.7								2.0	9.3
SW			1.3									1.3	8.5
WSW				.7								.7	15.0
W	.7		.7									1.3	5.0
WNW	.7	1.3	.7									2.7	5.3
NW	.7	2.0	.7									3.3	5.0
NNW	1.3	2.0	.7									4.0	4.5
VARBL													
CALM												1.3	
	10.0	22.7	39.3	24.0	2.7							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEAR

SEP

MONTH

ALL WEATHER

CLASS

13

MOORE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3										2.0	4.7
NNE	.7	2.0	3.3	.7								6.7	7.3
NE		2.0	4.7	1.3								8.0	8.3
ENE	1.3	1.3	5.0	10.7								21.3	10.2
E	1.3	3.3	5.3	8.7								18.7	10.3
ESE		1.3	6.0	3.3								10.7	9.3
SE	.7	1.3	1.3	2.0								5.3	8.5
SSE	.7	4.7	1.3									6.7	5.4
S		2.7	.7		1.3	.7						5.3	11.0
SSW			1.3									1.3	7.5
SW				.7								.7	13.0
WSW		1.3	1.3	.7								3.3	8.2
W	.7	1.3	1.3									3.3	5.6
WNW		.7										.7	6.0
NW		1.3		.7								2.0	8.0
NNW	1.3	.7	2.0									4.0	6.2
VARB													
CALM												.0	
	7.3	25.3	36.7	28.7	1.3	.7						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER

CLASS

16

HOURS (U.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.7	2.7									5.3	7.3
NNE	.7	2.7	2.7	1.3								7.3	7.2
NE	.7	1.3	6.0	1.3	.7							10.0	8.1
ENE		2.0	6.0	6.7								14.7	10.1
E	.7	3.3	11.3	8.7	.7							24.7	9.9
ESE		1.3	6.0		.7							8.0	8.6
SE	.7	.7	2.0	.7								4.0	8.0
SSE	.7	.7	2.7	.7								4.7	7.6
S	1.3	1.3	.7		1.3							4.7	8.9
SSW		.7	.7	.7								2.0	9.3
SW	1.3	.7	1.3									3.3	5.8
WSW	1.3		1.3									2.7	5.0
W	.7	.7	.7									2.0	5.0
WNW		.7	1.3									2.0	8.0
NW		.7	.7									1.3	7.0
NNW		1.3										1.3	5.0
VARBL													
CALM												2.0	
	8.0	20.7	46.0	20.0	3.3							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	2.0									5.3	5.9
NNE	2.0	6.7	1.3									10.0	4.1
NE	1.3	4.0	.7	.7								6.7	5.8
ENE	2.0	3.3	8.7	6.0								20.0	8.8
E	1.3	4.7	12.0	6.0								24.0	8.9
ESE		1.3	1.3	2.0								4.7	10.3
SE	2.7	1.3	.7	.7								5.3	5.4
SSE		2.7	2.0	.7								5.3	7.8
S	.7	.7	1.3	.7								3.3	8.0
SSW		1.3	1.3									2.7	7.0
SW		.7	.7									1.3	7.0
WSW													
W	.7	1.3	.7									2.7	5.3
WNW	.7	.7										1.3	4.0
NW	1.3		.7	.7								2.7	6.0
NNW													
VARBL													
CALM												4.7	
	14.7	30.0	33.3	17.3								100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7	2.7	.7								3.3	6.2
NNE	2.7	2.7	2.7	.7								8.7	6.1
NE	2.0	6.7	.7	.7								10.0	5.4
ENE		4.7	7.3	4.0								16.0	8.5
E	.7	3.3	11.3	8.7	.7							24.7	10.3
ESE		2.0	3.3	.7								6.0	8.0
SE	1.3	2.0		.7								4.0	5.7
SSE	.7	1.3	3.3	1.3								6.7	9.0
S		1.3	1.3	.7								3.3	7.2
SSW	1.3	1.3	.7									3.3	4.4
SW		.7										.7	5.0
WSW	.7											.7	2.0
W	.7	.7	1.3									2.7	6.3
WNW		.7										.7	6.0
NW				.7								.7	12.0
NNW	.7											.7	2.0
VARBL													
CALM												8.0	
	10.7	30.0	32.7	18.0	.7							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
MOORE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	1.2									3.0	6.1
NNE	2.4	3.6	2.4	.3								8.7	5.5
NE	1.2	3.1	3.5	.7	.1							8.7	6.7
ENE	1.1	3.1	6.7	5.5	.1							16.5	8.9
E	.9	3.6	9.7	8.4	.5							23.1	9.9
ESE	.2	1.9	3.5	1.9	.2							7.7	8.9
SE	.9	1.2	1.5	1.0								4.6	7.3
SSE	.3	1.4	2.8	.6	.2	.1						5.5	8.5
S	.5	1.5	1.1	.4	.7	.1						4.2	8.8
SSW	.2	.7	.6	.3								1.8	7.2
SW	.2	.6	.7	.2								1.7	7.1
WSW	.3	.4	.4	.3								1.5	7.1
W	.6	1.0	.8									2.4	5.4
WNW	.2	.8	.3	.1								1.4	6.1
NW	.2	.6	.4	.2								1.5	6.7
NNW	.7	.7	.3									1.7	4.5
VARBL													
CALM												6.0	
	10.6	25.3	36.1	20.1	1.7	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE	.6	3.9	4.5	1.9								11.0	7.6
NE	1.3	3.9	3.2	2.6	1.9							12.9	9.4
ENE	.6	3.9	6.5	2.6	1.3	.6						15.5	9.1
E		.6	3.9	7.1	.6							12.3	11.3
ESE	.6	1.9	3.9	1.3	1.3							9.0	9.9
SE	.6		1.9	2.6								5.2	9.3
SSE	.6	.6	1.9	1.9								5.2	9.3
S		2.6		2.6								5.2	9.1
SSW		1.9										1.9	5.7
SW			1.3	.6								1.9	9.7
WSW		1.3	1.3									2.6	6.3
W		1.3										1.3	4.0
WNW	.6		1.3									1.9	7.3
NW			.6									.6	10.0
NNW	1.3		.6									1.9	3.7
VARBL													
CALM												11.0	
	6.5	22.6	31.0	23.2	5.2	.6						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

8000

5702 SURFACE WINDS JAN 78

0000

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT

MONTH

04

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.0
NNE	1.3	2.6	3.2	3.2								10.3	8.4
NE	1.3	3.2	3.2	2.6								10.3	7.9
ENE	.6	.6	3.2	3.9	2.6							11.0	11.3
E		1.9	5.2	7.1	.6							14.8	10.7
ESE		1.3	3.9	1.9								7.1	9.5
SE		.6	2.6	1.3	.6							5.2	9.9
SSE	.6	1.3	2.6	1.3								5.8	7.9
S	.6	1.3	1.3	2.6								5.8	9.1
SSW	.6	.6	1.9	.6								3.2	8.6
SW	.6	.6		.6								1.9	7.7
WSW	1.3											1.3	2.5
W	.6	1.9	1.3									3.9	5.8
WNW				.6								.6	12.0
NW													
NNW		.6	.6									1.3	7.0
VARBL													
CALM												14.2	
	8.4	18.1	29.7	25.6	3.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22701

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6									1.9	5.3
NNE	1.9	3.2	3.2	2.6								11.0	8.0
NE	1.3	1.9	4.5	1.9								9.7	8.1
ENE	1.3	2.6	2.6	5.8	1.3							13.5	11.0
E		1.9	7.1	4.5	.6							14.2	10.0
ESE		1.3	3.2	.6								5.2	8.5
SE		.6		1.9								2.6	11.3
SSE		1.3	3.2	1.3	.6							6.5	10.1
S		1.9	1.9	3.2								7.1	8.5
SSW	.6		1.9									2.6	6.5
SW		1.3	.6	.6								2.6	8.3
WSW	.6	2.6	.6									3.9	4.7
W		.6	.6	.6								1.9	8.3
WNW		.6	.6									1.3	7.5
NW													
NNW	1.3	.6	1.3									3.2	5.4
VARBL													
CALM												12.9	
	7.7	21.3	32.3	23.2	2.6							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.3									3.2	5.8
NNE	.6	2.6	5.8					.6				9.7	9.4
NE			5.2	3.2								8.4	10.5
ENE	1.9		3.9	5.8	3.9							15.5	12.5
E	.6	3.9	5.2	5.8	1.3							16.8	9.9
ESE	.6	.6	2.6	.6								4.5	8.3
SE	1.3		2.6									3.9	6.8
SSE			2.6	2.6								5.2	10.9
S	1.9	1.9	2.6	3.2		.6						10.3	9.0
SSW	.6	.6										1.3	4.5
SW		.6	1.3	1.3								3.2	10.8
WSW		1.3	1.3	.6								3.2	8.6
W		1.9	.6									2.6	6.0
WNW	1.3	.6										1.9	3.7
NW	.6	.6	.6									1.9	5.3
NNW	2.6	1.3	1.9									5.8	5.0
VARBL													
CALM												2.6	
	12.9	17.4	37.4	23.2	5.2	.6		.6				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.6	.6								3.2	6.6
NNE	1.9	2.6	4.5	.6								9.7	6.9
NE	.6	.6	6.3	5.2	.6							13.5	10.4
ENE		1.9	3.9	10.3	1.9							18.1	12.3
E		1.9	3.2	2.6	1.3	.6						9.7	11.0
ESE	.6		4.5	2.6								7.7	9.7
SE	1.3	.6	2.6	.6								5.2	6.8
SSE		.6	1.3	.6								2.6	9.0
S	.6	1.9	1.3	2.6								6.5	8.9
SSW		1.3	3.2									4.5	7.3
SW		.6	.6	.6								1.9	9.3
WSW			2.6	1.3	.6							4.5	10.4
W	.6	1.3	.6									2.6	4.8
WNW		.6	1.9									2.6	7.3
NW	.6	.6	.6	.6								2.6	7.0
NNW		1.9	2.6									4.5	7.3
VARBL													
CALM												.6	
	7.1	18.1	40.6	28.4	4.5	.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

OCT
MONTH

16
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	1.9									4.5	6.7
NNE	.6	4.5	2.6	1.3								9.1	7.1
NE	1.3	2.6	5.8	7.1								16.9	9.7
ENE		.6	3.2	5.8	1.3							11.0	12.1
E	.6	2.6	2.6	7.8	1.3							14.9	10.5
ESE		1.3	2.6	.6								4.5	9.3
SE	.6	1.3	1.3	1.3								4.5	8.1
SSE	.6	1.3	1.9									3.9	6.3
S	1.9	1.3	1.9	1.3								6.5	6.4
SSW	.6	1.3	.6	.6								3.2	7.0
SW		.6	.6									1.3	5.5
WSW	.6	.6	1.3	.6								3.2	8.0
W	1.3	2.6	.6									4.5	4.6
WNW	.6	1.3	.6									2.6	5.5
NW	1.9		1.3	.6								3.9	5.8
NNW	.6	1.3	1.3									3.2	5.2
VARBL													
CALM												1.9	
	11.7	26.0	30.5	27.3	2.6							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

154

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.6	2.6									5.2	6.8
NNE	2.6	3.2	5.2	.6								11.7	6.2
NE	1.3	2.6	5.8	3.9	1.3	.6						15.6	10.3
ENE	2.6	.6	5.8	5.2	1.3							15.6	9.6
E	1.3	2.6	1.9	2.6	1.9							10.4	10.1
ESE		1.9	3.2	1.3	.6							7.1	9.0
SE	.6	.6	1.3	1.9								4.5	8.7
SSE		1.3	2.6	.6								4.5	8.7
S	.6	1.3	1.9									3.9	6.7
SSW	.6	.6	.6									1.9	5.3
SW		.6	.6									1.3	7.0
WSW	.6	.6										1.3	4.5
W	.6	3.2										3.9	4.3
WNW	1.9			.6								2.6	4.5
NW													
NNW	.6		1.9									2.6	6.8
VARBL													
CALM												7.8	
	13.6	22.1	33.8	16.9	5.2	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	1.3									3.2	7.2
NNE	2.6	3.2	7.1	.6								13.6	6.6
NE	1.3	2.6	4.5	3.9								12.3	8.9
ENE	1.9	1.9	5.2	6.5	1.9							17.5	10.6
E		3.2	2.6	4.5	1.3							11.7	10.9
ESE	.6	1.3	1.9	1.3								5.2	8.5
SE		.6	1.3	1.9								3.9	9.8
SSE	.6	3.2	1.3	.6								5.8	6.3
S		1.3	3.9									5.2	7.8
SSW		1.9	.6		.6							3.2	7.8
SW													
WSW		1.9	.6									2.6	6.0
W	.6	2.6	.6									3.9	5.0
WNW			.6									.6	7.0
NW		.6										.6	4.0
NNW		.6										.6	6.0
VARBL													
CALM												9.7	
	7.8	27.3	31.8	19.5	3.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	1.1	.1								3.2	6.1
NNE	1.5	3.2	4.5	1.4				.1				10.8	7.5
NE	1.1	2.2	4.9	3.8	.5	.1						12.4	9.5
ENE	1.1	1.5	4.3	5.7	1.9	.1						14.7	11.0
E	.3	2.3	4.0	5.3	1.1	.1						13.1	10.5
ESE	.3	1.2	3.2	1.3	.2							6.3	9.2
SE	.6	.6	1.7	1.5	.1							4.4	8.7
SSE	.3	1.2	2.2	1.1	.1							4.9	8.6
S	.7	1.7	1.9	1.9		.1						6.3	8.3
SSW	.3	1.1	1.1	.2	.1							2.7	6.9
SW	.1	.6	.6	.5								1.8	8.7
WSW	.4	1.1	1.0	.3	.1							2.8	7.1
W	.5	1.9	.6	.1								3.1	5.2
WNW	.6	.4	.6	.2								1.8	6.2
NW	.4	.2	.4	.2								1.2	6.2
NNW	.8	.8	1.3									2.9	5.8
VARBL													
CALM												7.6	
	9.5	21.6	33.4	23.4	4.1	.3		.1				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

1237

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	3.3	2.7	.7							9.3	8.9
NNE	.7	2.0	2.0	1.3								6.0	7.9
NE		4.0	2.7	1.3	2.0							10.0	9.8
ENE	.7	.7	1.3	3.3	3.3	.7						10.0	14.5
E	.7	1.3	4.0	7.3	3.3	.7						17.3	12.7
ESE		2.7	3.3	2.7	.7							9.3	9.6
SE			2.0	1.3	.7							4.0	11.3
SSE		.7	1.3	.7		.7						3.3	12.2
S			2.0	2.0								4.0	11.7
SSW		1.3	1.3	.7								3.3	7.8
SW		.7		1.3								2.0	10.3
WSW													
W	.7	.7	4.0	1.3								6.7	8.0
WNW		1.3		1.3								2.7	9.5
NW	.7			.7								1.3	7.0
NNW		1.3	2.0	1.3								4.7	8.1
VARBL													
CALM												6.0	
	4.7	18.0	29.3	29.3	10.7	2.0						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

150

0000

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	2.0	.7								5.3	6.5
NNE	.7	2.0	2.0	2.0								6.7	8.2
NE		2.0	.7	2.7	2.0							7.3	12.4
ENE		2.0	2.0	1.3	4.0							9.3	12.8
E		1.3	4.0	6.7	1.3	.7						14.0	12.6
ESE		2.7	2.7	1.3		.7						7.3	9.9
SE		.7	2.0	4.0								6.7	10.7
SSE	1.3	.7	1.3	.7		.7						4.7	8.4
S			4.0	.7								4.7	9.9
SSW			.7	1.3								2.0	11.7
SW			.7	.7	.7							2.0	11.7
WSW	.7	1.3	1.3									3.3	5.6
W	2.7	1.3	1.3	.7								4.7	6.1
WNW	.7		1.3	2.0	.7							4.7	11.1
NW	1.3			1.3								2.7	7.8
NNW	.7	2.7	1.3	2.0								6.7	7.4
VARBL													
CALM												8.0	
	9.3	16.7	27.3	28.0	8.7	2.0						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	.7	2.0								5.3	8.9
NNE	.7	2.0	2.7	1.3								6.7	7.4
NE	.7	1.3		2.7	1.3							6.0	11.3
ENE	.7	2.7	1.3	3.3	4.7							12.7	12.6
E	.7	2.0	3.3	2.7	4.0	.7						12.7	13.0
ESE	.7		2.0	3.3								6.0	10.8
SE	.7	1.3	1.3	.7	1.3							4.7	10.6
SSE	.7	.7	1.3	1.3		.7						4.7	11.4
S		2.7	2.0	.7								5.3	7.5
SSW		.7	.7	.7								2.0	8.3
SW		.7	2.0	.7								3.3	9.4
WSW			.7	2.0		.7						3.3	14.2
W	1.3	1.3	1.3	2.0								6.0	7.3
WNW	2.7	.7	1.3	1.3								6.0	5.9
NW			2.0	1.3								3.3	10.2
NNW		.7	2.7	.7	.7							4.7	10.4
VARBL													
CALM												7.3	
	8.0	18.7	25.3	26.7	12.0	2.0						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22701 MIDWAY ISLAND STATION NAME YEARS 73-77 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 10

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		4.0	4.0	1.3								9.3	7.4
NNE		2.7	1.3	1.3								5.3	8.1
NE		1.3	2.7	4.0	1.3							9.3	11.3
ENE	.7	2.7		.7	2.7	1.3						8.0	13.5
E		.7	4.7	6.0	3.3	.7						15.3	13.3
ESE		1.3	2.0	4.0								7.3	10.6
SE		.7	.7	.7	.7							2.7	10.5
SSE			.7	2.0		1.3						4.0	15.2
S		3.3	3.3	.7								7.3	7.2
SSW	.7		2.0	.7								3.3	8.8
SW	.7	1.3	.7			.7						3.3	8.8
WSW			.7		.7	.7						2.0	16.3
W	.7	2.7	2.0									5.3	5.6
WNW			2.0	1.3								3.3	10.8
NW	.7	.7	2.0	1.3	1.3							6.0	10.2
NNW	.7		1.3	2.7								4.7	10.1
VARBL													
CALM												3.3	
	4.0	21.3	30.0	26.7	10.0	4.7						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	4.7	2.7								9.3	8.4
NNE	.7			2.7								3.3	10.6
NE		4.7	1.3	4.0	.7	.7						11.3	10.4
ENE		2.0	.7	1.3	3.3	2.0						9.3	15.2
E		1.3	3.3	5.3	2.7	.7						13.3	13.1
ESE	.7	.7	3.3	.7			.7					6.0	9.9
SE	.7	.7	1.3	2.0								4.7	9.1
SSE	.7	.7	1.3	2.0		.7						4.7	13.3
S	.7	2.0	1.3	1.3	2.0							7.3	10.3
SSW	1.3	2.0	.7	2.0								6.0	7.0
SW		.7	1.3	.7		.7						3.3	10.6
WSW				.7		.7						1.3	19.0
W	.7	.7	6.0									7.3	7.1
WNW			1.3	2.0								3.3	11.6
NW		.7		1.3								2.0	11.0
NNW		2.0	1.3	.7	2.0							6.0	12.0
VARBL													
CALM												1.3	
	5.3	19.3	28.0	29.3	10.7	5.3	.7					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	4.7	2.7								8.7	9.4
NNE		1.3	2.7	.7								4.7	9.1
NE		1.3	2.7	3.3	1.3							8.7	11.6
ENE	.7	2.0	2.7	3.3	3.3							12.0	12.3
E	.7	.7	6.0	2.7	2.7	2.7						15.3	13.3
ESE	.7	.7	4.0									5.3	7.4
SE			4.0	.7								4.7	9.3
SSE		.7	1.3	1.3	.7							4.0	11.3
S	.7	.7	1.3									2.7	6.5
SSW		1.3	.7	2.7								4.7	9.7
SW		.7	1.3	.7								2.7	7.5
WSW		.7	.7	1.3			.7					3.3	13.4
W		4.7	2.0	1.3								8.0	7.6
WNW			1.3	.7								2.0	10.0
NW				2.7	1.3							4.0	15.8
NNW	2.0	1.3	2.0	2.0								7.3	7.5
VARBL													
CALM												2.0	
	5.3	16.7	37.3	26.0	9.3	2.7	.7					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	3.3		.7							4.7	9.6
NNE	2.7	.7	1.3	4.0								8.7	8.9
NE	2.0	2.0	2.7	2.7		.7						10.0	9.0
ENE	2.7	.7	2.7	6.7	4.7	.7						13.0	12.4
E		1.3	2.0	4.0	2.0	.7						10.0	12.8
ESE		1.3	2.7	1.3								5.3	8.1
SE		1.3	.7									2.0	6.7
SSE		2.0	1.3		1.3							4.7	10.0
S		1.3	2.0	.7								4.0	8.0
SSW		1.3	.7	2.0								4.0	9.5
SW		.7	.7	.7								1.3	8.0
WSW		.7	.7	.7		.7						2.0	12.0
W	.7		4.0	.7								5.3	8.1
WNW			3.3		.7							4.0	10.0
NW				2.0								2.0	13.3
NNW		.7	4.0	4.0								8.7	10.5
VARBL													
CALM												5.3	
	8.0	14.7	31.3	28.7	9.3	2.7						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

22

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.3	2.0	.7							6.0	9.7
NNE	1.3	2.0	2.7	5.3								11.3	9.4
NE	1.3	2.7	2.0	2.7		.7						9.3	8.6
ENE	.7	.7	2.7	4.7	4.0	.7						13.3	13.9
E		2.7	4.0	7.3	.7	.7	.7					16.0	12.0
ESE			4.0	1.3								5.3	11.4
SE		.7	1.3	.7		.7						3.3	12.0
SSE		.7	1.3	.7		.7						3.3	10.8
S	.7	.7	.7	.7								2.7	7.3
SSW	.7	.7	.7	2.0	.7							4.0	10.7
SW		.7										.7	4.0
WSW		1.3	1.3	.7								3.3	7.6
W		2.0	2.0	.7								4.7	8.3
WNW		1.3		2.7								4.0	10.7
NW		.7	.7	.7								1.3	9.5
NNW		.7	2.0	2.7								5.3	10.5
VARBL													
CALM												6.0	
	5.3	18.0	26.0	34.7	6.0	3.3	.7					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

150

0000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV

MONTH

ALL WEATHER
CLASS

ALL
MOURE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.6	3.0	1.7	.2							7.2	8.6
NNE	.8	1.6	1.8	2.3								6.6	8.7
NE	.5	2.4	1.8	2.9	1.1	.2						9.0	10.4
ENE	.7	1.7	1.7	3.1	3.7	.7						11.6	13.3
E	.2	1.4	3.9	5.2	2.5	.9	.1					14.2	12.8
ESE	.2	1.2	3.0	1.8	.1	.1	.1					6.5	9.8
SE	.1	.7	1.7	1.2	.3	.1						4.1	10.2
SSE	.2	.7	1.2	1.1	.2	.6						4.2	11.5
S	.2	1.3	2.1	.8	.2							4.7	8.7
SSW	.3	.8	.9	1.5	.1	.2						3.7	9.0
SW	.1	.7	.7	.6	.1	.3	.1					2.3	9.3
WSW	.1	.5	.7	.6	.1							2.3	11.7
W	.8	1.5	2.8	.8								6.0	7.3
WNW	.4	.4	1.3	1.4	.2							3.7	9.7
NW	.3	.2	.5	1.4	.3							2.8	11.0
NNW	.4	1.2	2.1	2.0	.3							6.0	9.5
VARBL													
CALM												4.9	
	5.2	17.9	29.3	28.7	9.6	3.1	.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

NORTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3	1.3									4.6	4.4
NNE	.7	1.3	3.3	1.3								6.5	9.0
NE		2.0	1.3	2.0								5.2	8.4
ENE	1.3	1.3	.7	.7								3.9	6.0
E	1.3	2.0	2.0	3.3	2.6							11.1	11.1
ESE			2.0		1.3							3.3	12.2
SE		.7		.7								1.3	9.5
SSE		.7	2.0	3.9								6.5	10.9
S		.7	2.0	3.3								5.9	10.9
SSW		.7	2.0	3.9	.7							7.2	11.8
SW		.7		2.6	.7	.7						4.6	15.1
WSW		.7	1.3	3.3								5.2	11.8
W	.7	.7	3.9	2.6								7.8	9.2
WNW	.7	1.3	1.3	1.3	.7							5.2	9.4
NW		.7	.7	1.3	.7							2.6	13.0
NNW	1.3	.7	2.6	3.3								7.8	8.8
VARBL													
CALM												11.1	
	7.8	14.4	26.1	33.3	6.5	.7						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.7	.7								3.9	6.2
NNE	1.3	2.0	1.3	1.3								6.3	6.4
NE	1.3	1.3	2.6	.7	.7							6.3	8.2
ENE		.7		1.3								2.0	11.3
E	1.3	1.3	3.3	1.3	.7							7.8	9.3
ESE		.7	.7	2.0	.7	.7						4.6	13.7
SE			2.0									2.0	8.0
SSE		.7	1.3	1.3	.7							3.9	12.3
S		2.6	2.0	2.6	.7							7.8	10.0
SSW		1.3	2.0	4.6	.7							8.5	11.4
SW			1.3	2.6	2.6	.7						7.2	15.8
WSW	.7	1.3	2.0	2.6	.7							7.2	10.1
W	.7	.7	1.3	3.3								5.9	9.9
WNW		2.6	2.6	1.3								6.3	8.3
NW			.7	2.6								3.3	12.0
NNW		1.3	2.0	2.0	.7							5.9	10.6
VARBL													
CALM												10.3	
	6.5	18.3	25.5	30.1	7.8	1.3						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOIS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0		.7	.7							5.2	6.1
NNE	.7	2.0		1.3								5.9	7.3
NE	1.3	4.0	2.6	2.0								10.5	7.1
ENE	.7	2.6	1.3	.7								5.2	6.8
E		2.6	2.0	.7	2.0							7.2	10.7
ESE		.7	1.3	2.0	1.3							5.2	13.0
SE													
SSE	.7	.7	2.6		.7							4.6	8.1
S	1.3	.7	2.0	3.3								7.2	9.1
SSW	.7		3.9	3.9	.7							9.2	11.1
SW			1.3	2.6		1.3						5.2	13.9
WSW	.7	.7	1.3	2.6	3.3							7.8	13.8
W	.7	1.3	2.6	3.3								7.8	9.4
WNW				2.0	1.3							3.3	15.2
NW			3.3	2.0								5.2	10.3
NNW		1.3	1.3	2.0								4.6	9.4
VARBL													
CALM												7.8	
	7.8	19.0	25.5	28.8	9.8	1.3						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

153

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	2.0	.7								4.6	6.7
NNE		.7	1.3									2.0	7.3
NE		1.3	2.0	2.0								5.2	9.4
ENE		.7	5.2	2.0	.7							8.5	10.3
E	.7	1.3	3.9	3.3	2.0							11.1	10.8
ESE			.7	.7	1.3							2.6	13.8
SE	.7			.7								1.3	8.5
SSE	.7		2.0	2.0								5.2	9.4
S	.7	2.6	2.6	3.9	1.3							11.1	10.2
SSW			.7	3.9	1.3							5.9	14.3
SW		.7	1.3	1.3	1.3	.7						5.2	13.8
WSW		.7	1.3	3.3		.7						5.9	13.7
W	.7	.7	3.3	4.6	.7							9.8	11.1
WNW	1.3	.7		2.6								4.6	8.7
NW		.7	.7	3.3								4.6	11.0
NNW		1.3	2.6	2.0								5.9	9.2
VARBL													
CALM												6.5	
	5.9	11.8	30.1	35.9	8.5	1.3						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3	1.3	.7								5.9	5.4
NNE	.7	.7	1.3									2.6	6.0
NE			2.0	1.3	.7							3.9	11.0
ENE		1.3	1.3	3.3								5.9	10.3
E		.7	4.6	5.9	1.3							12.4	12.0
ESE			1.3	.7	.7							2.6	12.5
SE	.7	.7	.7	.7								2.6	8.0
SSE	.7	.7	1.3	.7								2.6	8.3
S	.7	2.6	1.3	3.9								8.3	9.5
SSW		2.6	3.9	4.6	.7							11.0	9.9
SW		.7		3.3	1.3	.7						5.9	15.2
WSW			2.0	1.3	1.3	.7						5.2	13.1
W	.7	2.0	2.0	1.3	2.0							7.3	10.1
WNW		1.3	2.0	3.9								7.2	11.1
NW		.7	2.0	3.9								6.5	11.6
NNW		2.0	3.3	2.0								7.2	8.5
VARBL													
CALM												1.3	
	5.2	17.0	30.1	37.3	7.3	1.3						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

KIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	3.2	.6								5.6	7.7
NNE	1.3	.6	1.3	.6								3.9	6.2
NE	.6	.6	2.6	1.9								5.8	9.1
ENE	.6	1.3	3.9	.6	1.3							7.8	10.0
E		.6	3.9	3.2	1.3							9.1	11.7
ESE		.6	.6	.6	.6							2.6	10.5
SE		.6	.6	.6		.6						2.6	13.3
SSE		1.3	.6	.6								2.6	8.3
S		2.6	1.3	1.3	1.9							7.1	10.4
SSW	.6	1.3	3.2	3.2	.6							9.1	9.9
SW			.6	3.2	1.9							5.6	13.9
WSW		1.3	2.6	1.3	.6							5.8	10.3
W			5.2	3.2								8.4	10.2
WNW		1.3	1.3	1.9	.6							5.2	11.1
NW		.6	1.3	2.6	1.3							5.8	12.0
NNW	1.9	1.3	6.5	.6	.6							11.0	8.0
VARBL													
CALM												1.3	
	6.5	14.9	39.0	26.6	11.0	.6						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	3.2	.6								9.1	5.6
NNE	.6	1.9		1.3								3.9	7.5
NE	.6		1.3	.6								2.6	8.5
ENE	.6		2.6	2.6								5.8	9.8
E	.6		3.9	2.6	3.2							10.4	12.3
ESE				1.9								1.9	13.0
SE	.6	.6		.6								1.9	8.3
SSE	1.3	1.9		1.3								4.5	7.0
S			2.6	3.2								5.8	11.6
SSW			1.9	1.9								3.9	11.2
SW		.6	1.3	4.5	1.3							7.8	13.4
WSW	.6	.6	1.3	3.9	.6							7.1	10.6
W		3.2	1.9	2.6								7.8	9.0
WNW	.6	.6	1.9	1.9	.6							5.8	10.4
NW		1.3	1.3	.6	.6							3.9	10.3
NNW	.6	1.9	1.9	3.9								8.4	9.4
VARBL													
CALM												9.1	
	9.1	15.6	25.3	34.4	6.5							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

72-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.9	2.6	.6								7.3	5.8
NNE	.6	2.6	2.6	.6								6.5	7.4
NE	.6	1.3	2.6	.6								5.2	7.9
ENE	.6	1.3		1.9	.6							4.5	10.1
E		.6	3.2	1.3	2.6	.6						8.4	13.2
ESE		.6	1.3	1.9								3.9	11.2
SE		2.6	1.3	.6								4.5	7.7
SSE		1.3	1.3	.6	.6							3.9	9.3
S	.6	.6	1.3	1.9								4.5	9.3
SSW		1.3	1.9	3.2	1.3							7.8	11.4
SW	.6			2.6	2.6							5.8	14.7
WSW	.6	.6	.6	5.8	.6							8.4	12.0
W	.6	.6	2.6	1.9								5.8	8.8
WNW		1.3		3.2		.6						5.2	12.8
NW	1.3		.6	2.6								4.5	9.0
NNW	1.3	3.2	2.6	1.3								8.4	6.4
VARBL													
CALM												4.5	
	9.7	20.1	24.7	31.2	8.4	1.3						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.5	1.8	.6	.1							5.9	6.0
NNE	.7	1.5	1.4	.8								4.5	7.3
NE	.6	1.4	2.1	1.4	.2							5.6	8.4
ENE	.5	1.1	1.9	1.6	.3							5.5	9.4
E	.5	1.1	3.3	2.7	2.0	.1						9.7	11.4
ESE		.3	1.0	1.2	.7	.1						3.3	12.5
SE	.2	.7	.6	.5		.1						2.0	9.0
SSE	.3	.9	1.5	1.3	.2							4.2	9.3
S	.4	1.5	1.9	2.9	.5							7.3	10.1
SSW	.2	.9	2.4	3.7	.7							7.9	11.2
SW	.1	.3	.7	2.9	1.5	.5						5.9	14.5
WSW	.2	.7	1.5	3.0	.9	.2						6.6	12.1
W	.5	1.1	2.9	2.9	.3							7.7	9.8
WNW	.3	1.1	1.1	2.3	.4	.1						5.4	10.6
NW	.2	.4	1.3	2.4	.3							4.6	11.1
NNW	.7	1.6	2.9	2.1	.2							7.4	8.6
VARBL													
CALM													
	7.3	16.4	28.3	32.2	8.3	1.0						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

1227

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

ALL
MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	1.5	.5	.0	.0	.0	.0				4.2	7.0
NNE	1.0	1.9	2.0	.8	.0	.0		.0				5.8	7.1
NE	.6	1.6	2.6	2.5	.4	.0						7.8	9.4
ENE	.7	1.7	3.8	4.5	1.0	.1		.0				11.8	10.5
E	.5	2.3	6.5	6.7	1.2	.1	.0					17.4	10.6
ESE	.3	1.4	3.2	2.2	.4	.0	.0					7.5	9.6
SE	.4	1.3	2.1	1.5	.2	.0						5.5	8.9
SSE	.4	1.1	1.8	1.1	.2	.1						4.7	9.0
S	.4	1.8	2.2	1.7	.4	.1	.0					6.6	9.2
SSW	.3	1.0	1.7	1.5	.3	.1						4.9	9.8
SW	.2	.6	1.2	1.3	.3	.2	.0					3.9	11.2
WSW	.2	.6	.8	.8	.2	.1	.0					2.9	10.1
W	.6	1.1	1.2	.9	.3	.1						4.2	8.7
WNW	.2	.0	.7	.9	.2	.0						2.7	9.9
NW	.2	.4	.7	1.0	.2	.0	.0					2.6	10.7
NNW	.4	.9	1.4	.8	.1	.0						3.6	8.3
VARBL													
CALM												4.0	
	7.3	19.8	33.3	26.9	5.6	1.0	.1	.0				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

14592

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

ALL
MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	3.0	1.6	.2	.2						7.6	8.2
NNE	.4	3.2	4.4	1.6		.2						9.8	8.5
NE	.4	2.0	3.4	7.8	.4	.2						14.2	11.2
ENE	.6	.6	1.8	5.6	1.4	.4		.2				10.6	13.2
E	.2	.8	2.6	4.8	1.4	.4						10.2	12.5
ESE		.6	1.0	1.4	1.4	.2	.4					5.0	14.9
SE	.2	.2	1.0	1.2	.6	.2						3.4	12.2
SSE	.2	.4	.4	1.6	1.2	.2						4.0	13.6
S	.2	.6	1.2	2.4	.6	.2	.2					5.4	12.5
SSW		.4	1.8	1.6	.2	.2						4.2	11.2
SW		.6	1.2	1.6	.4	.4						4.2	12.5
WSW	.4	.2	.4	.8	.2	.6						2.6	13.5
W	.2	.6	1.4	2.2	.4							4.8	10.7
WNW	.2	1.6	.8	1.8								4.4	9.2
NW		.2	.4	1.4	1.0		.2					3.2	14.8
NNW	.4	1.0	2.4	.8								4.6	8.0
VARBL													
CALM												2.0	
	4.4	14.6	27.1	38.1	9.4	3.4	.8	.2				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

501

DIRNAVOCEANMET SMOS

NWSD, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
≥ 1800														
≥ 1500					91.0									92.6
≥ 1200														
≥ 1000														
≥ 900														
≥ 800														
≥ 700														
≥ 600														
≥ 500										97.4				98.1
≥ 400														
≥ 300														
≥ 200														
≥ 100														
0					95.4		96.9			98.3				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of \geq 500 feet with \geq 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling \geq 500 feet with visibility \geq 1 mile, but < 3 miles; or ceiling \geq 500 feet, but < 1500 feet with visibility \geq 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS

0
1
2
3
4
5
6
7
8 (or obscured)

TENTHS

0
1
3
4
5
6
8
9
10

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701

MIDWAY ISLAND

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 7000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 6000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 5000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 4500	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 4000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 3500	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 3000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 2500	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 2000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 1800	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 1500	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 1200	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 1000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 900	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 800	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 700	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 600	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 500	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 400	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 300	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 200	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 100	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	5.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	5.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	5.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	5.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	5.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	5.2	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	5.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	5.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	5.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 6000	5.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 5000	5.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4500	5.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	5.8	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3500	5.8	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	5.8	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	6.5	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	6.5	88.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	6.5	88.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	6.5	91.0	95.5	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 1200	6.5	91.0	95.5	96.1	96.8	96.8	96.8	96.8	96.8	98.1	98.7	98.7	98.7
≥ 1000	6.5	91.6	96.1	96.8	97.4	97.4	97.4	97.4	97.4	98.7	98.7	98.7	98.7
≥ 900	6.5	91.6	96.1	96.8	97.4	97.4	97.4	97.4	97.4	98.7	98.7	98.7	98.7
≥ 800	6.5	91.6	96.1	96.8	97.4	97.4	97.4	97.4	97.4	98.7	98.7	98.7	98.7
≥ 700	6.5	91.6	96.1	96.8	97.4	97.4	97.4	97.4	97.4	98.7	98.7	98.7	98.7
≥ 600	6.5	91.6	96.1	96.8	97.4	97.4	97.4	97.4	97.4	98.7	98.7	98.7	98.7
≥ 500	6.5	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 400	6.5	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 300	6.5	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 200	6.5	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 100	6.5	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	99.4	99.4	99.4	99.4
0	6.5	92.3	96.8	97.4	98.1	98.1	98.1	98.1	98.1	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	3.9	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	4.5	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	4.5	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 16000	4.5	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000	4.5	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000	4.5	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	5.2	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	5.2	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	5.2	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	5.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	5.2	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 5000	5.2	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	5.8	61.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	5.8	63.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500	5.8	67.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	5.8	73.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	5.8	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	5.8	87.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	5.8	87.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	5.8	91.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	5.8	92.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	5.8	92.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.2	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	5.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	5.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 16000	5.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 14000	5.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	6.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	6.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 9000	6.5	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	7.1	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	7.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	7.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	7.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	7.7	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	7.7	68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	7.7	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	7.7	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	8.4	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	8.4	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	8.4	89.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	8.4	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	8.4	92.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	8.4	92.9	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

73-77

YEARS

JAN
MONTH

STATION NAME

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.8	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	6.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	6.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	6.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	6.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 12000	6.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000	6.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 9000	6.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 8000	7.7	48.4	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 7000	8.4	52.3	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000	8.4	53.6	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 5000	8.4	57.4	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4500	8.4	57.4	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4000	8.4	63.9	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	9.0	69.7	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	9.0	76.8	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	9.0	83.9	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	9.0	88.4	89.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	9.0	89.0	90.3	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	9.0	92.3	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	9.0	92.3	94.2	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	9.0	92.9	94.8	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	9.0	92.9	94.8	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	9.0	93.6	95.5	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	9.0	93.6	95.5	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	9.0	93.6	96.1	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	9.0	93.6	96.1	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	9.0	93.6	96.1	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	9.0	93.6	96.1	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	9.0	93.6	96.1	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	9.0	93.6	96.1	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	9.0	93.6	96.1	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	8.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000	8.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000	8.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 14000	9.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 12000	9.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 10000	9.0	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 9000	9.0	45.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 8000	9.7	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	9.7	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	9.7	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	9.7	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	9.7	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	10.3	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500	10.3	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	10.3	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	10.3	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2000	12.9	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	12.9	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	13.6	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	13.6	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	13.6	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	13.6	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	13.6	94.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	5.2	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	5.2	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 18000	5.2	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	5.2	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 14000	5.2	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000	5.2	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	5.2	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	5.2	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	5.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000	5.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 6000	5.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 5000	5.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500	5.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	5.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500	5.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3000	5.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	5.2	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	5.2	85.6	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	5.2	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	5.8	93.6	94.2	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	5.8	93.6	94.2	95.5	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	5.8	93.6	94.2	96.1	96.8	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	5.8	93.6	94.2	96.1	96.8	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	5.8	93.6	94.2	96.8	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	5.8	93.6	94.2	96.8	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	5.8	93.6	94.2	96.8	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	5.8	93.6	94.2	96.8	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	5.8	93.6	94.2	96.8	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	5.8	93.6	94.2	96.8	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	5.8	93.6	94.2	96.8	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	5.8	93.6	94.2	96.8	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	5.8	93.6	94.2	96.8	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	3.9	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	3.9	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	3.9	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	3.9	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	3.9	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	3.9	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	3.9	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	3.9	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	3.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 7000	3.9	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 6000	3.9	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 5000	4.5	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	4.5	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	4.5	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	4.5	68.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	4.5	72.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	4.5	80.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	5.2	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	5.2	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	5.2	93.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	5.2	94.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	5.2	95.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	5.2	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	5.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 18000	5.5	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 16000	5.5	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000	5.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 12000	5.7	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	5.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 9000	5.7	48.2	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 8000	6.1	50.7	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 7000	6.1	53.2	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 6000	6.1	54.4	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 5000	6.4	57.9	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	6.5	60.4	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 4000	6.6	64.7	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3500	6.7	68.1	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3000	6.8	74.2	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	6.9	81.4	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	7.4	87.7	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	7.4	87.9	90.2	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	7.7	92.1	95.4	95.8	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.5
≥ 1200	7.7	92.3	95.8	96.2	96.6	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.2
≥ 1000	7.7	92.8	96.6	97.2	97.9	98.0	98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.9
≥ 900	7.7	92.8	96.6	97.2	97.9	98.0	98.3	98.6	98.6	98.8	98.8	98.8	98.8	98.9
≥ 800	7.7	93.0	96.8	97.5	98.2	98.3	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.3
≥ 700	7.7	93.0	96.8	97.5	98.2	98.3	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.3
≥ 600	7.7	93.0	96.9	97.7	98.6	98.7	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8
≥ 500	7.7	93.1	96.9	97.7	98.7	98.8	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.9
≥ 400	7.7	93.1	96.9	97.7	98.8	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0
≥ 300	7.7	93.1	96.9	97.7	98.8	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0
≥ 200	7.7	93.1	96.9	97.7	98.8	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0
≥ 100	7.7	93.1	96.9	97.7	98.8	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0
≥ 0	7.7	93.1	96.9	97.7	98.8	98.9	99.3	99.7	99.7	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	11.4	44.0	44.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	11.4	48.2	48.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	11.4	48.2	48.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	11.4	48.2	48.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	11.4	48.2	48.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	11.4	48.2	48.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	11.4	49.7	49.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	11.4	51.1	51.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 8000	12.8	53.9	53.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 7000	12.8	58.2	58.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 6000	12.8	58.2	58.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 5000	12.8	58.2	58.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4500	12.8	60.3	61.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4000	12.8	63.8	64.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3500	13.5	68.1	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3000	14.2	70.9	71.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 2500	14.2	77.3	78.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	14.2	85.1	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	14.2	85.1	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	14.9	90.8	92.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	15.6	91.5	94.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0	15.6	92.2	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

141

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MONTH
FEB

04

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	9.9	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	9.9	44.7	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 18000	9.9	44.7	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 16000	9.9	44.7	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 14000	9.9	44.7	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 12000	9.9	44.7	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	9.9	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 9000	9.9	46.8	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 8000	10.6	47.5	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 7000	10.6	49.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 6000	10.6	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 5000	10.6	52.5	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	10.6	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 4000	11.4	60.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 3500	12.1	63.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3000	12.8	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 2500	14.2	78.0	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	14.9	84.4	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	15.6	85.8	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	16.3	90.8	94.3	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	16.3	91.5	95.0	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	16.3	91.5	95.0	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	16.3	91.5	95.0	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	16.3	92.2	95.7	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	16.3	92.2	95.7	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	16.3	92.2	95.7	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	16.3	92.2	95.7	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	16.3	92.2	95.7	97.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	16.3	92.2	96.5	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	16.3	92.2	96.5	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	16.3	92.2	96.5	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	16.3	92.2	96.5	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NATIONAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME MIDWAY ISLAND

73-77

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	5.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 20000	5.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 18000	5.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000	5.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 14000	5.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 12000	5.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 10000	5.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 9000	5.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 8000	5.7	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 7000	6.4	42.6	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 6000	6.4	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 5000	6.4	46.8	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 4500	6.4	48.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 4000	7.1	54.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 3500	7.1	56.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 3000	8.5	63.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 2500	9.9	75.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	9.9	85.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	9.9	85.1	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	9.9	90.1	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	9.9	90.8	95.0	95.7	96.5	96.5	97.2	97.2	97.2	97.2	97.2
≥ 1000	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 900	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 800	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 700	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 600	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 500	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 400	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 300	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 200	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
≥ 100	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0
0	9.9	91.5	95.7	97.2	98.6	98.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

73-77

STATION NAME

YEARS

FEH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

10

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7.8	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	7.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
18000	7.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
16000	7.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
14000	7.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
12000	7.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
10000	7.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
9000	8.5	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
8000	9.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
7000	9.9	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
6000	9.9	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
5000	9.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
4500	9.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
4000	10.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
3500	10.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
3000	11.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2500	12.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2000	13.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
1800	13.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
1500	13.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1200	13.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1000	13.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
900	13.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
800	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
700	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
600	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
500	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
400	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
300	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
200	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
100	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
0	13.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.8	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 2000	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 1800	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 1600	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 1400	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 1200	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 1000	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 900	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 800	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 700	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 600	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 500	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 400	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 300	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 200	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 100	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
0	7.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1

TOTAL NUMBER OF OBSERVATIONS

141

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 18000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 16000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 14000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 12000	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 10000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 7000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 6000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	11.4	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 20000	11.4	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
18000	11.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
16000	11.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
14000	11.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
12000	11.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
10000	12.1	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
9000	12.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
8000	12.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
7000	12.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
6000	12.1	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
5000	12.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
4500	12.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
4000	13.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
3500	13.5	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
3000	14.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2500	14.2	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2000	15.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
1800	15.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
1500	17.0	90.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
1200	17.0	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1000	17.0	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
900	17.0	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
800	17.0	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
700	17.0	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
600	17.0	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
500	17.0	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
400	17.0	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
300	17.0	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
200	17.0	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
100	17.0	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
0	17.0	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS

141

1225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	10.6	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	10.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 18000	10.6	49.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 16000	10.6	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	10.6	50.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	10.6	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	10.6	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 9000	10.6	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000	10.6	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 7000	12.1	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 6000	12.1	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	12.1	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
4500	12.1	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
4000	12.8	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
3500	12.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
3000	13.5	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
2500	13.5	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
2000	14.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1800	14.2	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1500	14.9	90.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1200	14.9	90.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1000	14.9	92.2	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
900	14.9	92.2	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
800	14.9	92.9	95.7	96.5	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
700	14.9	92.9	95.7	96.5	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
600	14.9	92.9	95.7	96.5	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
500	14.9	92.9	96.5	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
400	14.9	92.9	96.5	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
300	14.9	92.9	96.5	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
200	14.9	92.9	96.5	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
100	14.9	92.9	96.5	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0	14.9	92.9	96.5	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	9.5	38.6	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 20000	9.5	42.9	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	9.5	43.1	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 16000	9.5	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 14000	9.5	43.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 12000	9.5	43.6	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 10000	9.6	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 9000	9.7	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 8000	10.2	48.8	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 7000	10.5	52.4	52.7	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 6000	10.6	53.7	54.0	54.2	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 5000	10.6	56.0	56.4	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 4500	10.8	58.5	59.0	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4000	11.4	63.0	63.7	64.0	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3500	11.6	65.3	66.1	66.3	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 3000	12.3	70.5	71.4	71.6	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	13.1	77.9	78.8	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2000	13.9	85.6	86.9	87.5	87.6	87.6	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	14.0	85.8	87.2	87.8	87.9	87.9	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500	14.5	90.6	92.7	93.5	94.0	94.2	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	14.5	91.5	93.8	94.6	95.2	95.4	95.7	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	14.5	92.1	94.5	95.8	96.8	97.0	97.6	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	14.5	92.1	94.5	95.8	96.8	97.0	97.6	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	14.5	92.5	95.0	96.5	97.5	97.8	98.4	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4
≥ 700	14.5	92.6	95.1	96.5	97.6	97.9	98.6	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7
≥ 600	14.5	92.6	95.1	96.5	97.6	97.9	98.6	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7
≥ 500	14.5	92.6	95.2	96.6	97.7	98.0	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 400	14.5	92.6	95.2	96.6	97.7	98.0	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 300	14.5	92.6	95.3	96.7	97.8	98.1	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200	14.5	92.6	95.3	96.7	97.8	98.1	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	14.5	92.6	95.3	96.7	97.8	98.1	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0	14.5	92.6	95.3	96.7	97.8	98.1	98.9	99.4	99.5	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1128

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	5.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	5.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	5.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 16000	6.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	6.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 12000	6.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000	6.5	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 9000	6.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 8000	6.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000	6.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000	6.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 5000	6.5	50.3	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 4500	7.1	52.9	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 4000	7.1	53.6	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 3500	7.7	56.8	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3000	8.4	64.5	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	9.0	76.8	78.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	9.7	81.3	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	9.7	81.9	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	11.0	89.0	93.6	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	11.0	89.7	94.2	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	11.0	91.6	96.1	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	11.0	92.3	96.8	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	11.0	92.3	96.8	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	11.0	92.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	11.0	92.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	11.0	92.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	11.0	92.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	11.0	92.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	11.0	92.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	11.0	92.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	11.0	92.3	96.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

135

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR

MONTH

04

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	7.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000	7.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 16000	7.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000	7.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000	8.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 10000	8.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 9000	9.0	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 8000	9.0	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 7000	9.0	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 6000	9.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 5000	9.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 4500	9.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	9.0	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 3500	9.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 3000	9.7	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 2500	9.7	77.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	10.3	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	10.3	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	11.0	92.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	11.0	93.6	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	11.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	11.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	11.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	11.0	94.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	11.0	94.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	11.0	94.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	11.0	94.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	11.0	94.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	11.0	94.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	11.0	94.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	11.0	94.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	6.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 18000	6.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 16000	6.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000	6.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 12000	6.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 10000	6.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 9000	7.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 8000	7.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 7000	7.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 6000	7.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 5000	7.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 4500	7.1	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 4000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 3500	8.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3000	9.7	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 2500	9.7	71.0	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2000	11.6	83.2	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	11.6	83.9	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	11.6	91.6	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	11.6	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	11.6	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	11.6	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	11.6	94.2	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	11.6	94.2	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	11.6	94.2	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	11.6	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	11.6	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	11.6	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	11.6	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	11.6	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	11.6	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	7.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	7.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	7.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 16000	7.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000	7.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000	7.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000	7.1	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000	7.1	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	7.1	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000	7.7	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 6000	9.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 5000	9.0	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 4500	9.0	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 4000	9.7	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	11.6	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3000	11.6	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	13.6	77.4	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	14.8	85.2	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	14.8	85.8	87.1	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	14.8	89.0	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	14.8	89.0	92.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	14.8	90.3	93.6	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7
≥ 900	14.8	91.0	94.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 800	14.8	91.0	94.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 700	14.8	91.0	94.2	96.1	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 600	14.8	91.6	94.8	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0
≥ 500	14.8	91.6	94.8	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0
≥ 400	14.8	91.6	94.8	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0
≥ 300	14.8	91.6	94.8	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0
≥ 200	14.8	91.6	94.8	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0
≥ 100	14.8	91.6	94.8	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0
0	14.8	91.6	94.8	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

17254 06181

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.7	36.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 20000	7.7	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
AI 18000	7.7	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
AI 16000	7.7	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
AI 14000	7.7	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
AI 12000	8.4	42.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
AI 10000	9.0	43.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
AI 9000	9.0	44.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 8000	9.7	48.4	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
AI 7000	9.7	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
AI 6000	9.7	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
AI 5000	10.3	53.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
AI 4500	10.3	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
AI 4000	10.3	55.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 3500	11.0	60.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
AI 3000	11.0	62.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
AI 2500	12.9	73.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
AI 2000	14.2	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AI 1800	14.2	80.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AI 1500	14.2	87.1	91.0	91.0	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
AI 1200	14.2	87.1	91.0	91.0	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
AI 1000	14.2	88.4	93.6	94.2	96.1	96.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7
AI 900	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 800	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 700	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 600	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 500	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 400	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 300	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 200	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 100	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4
AI 0	14.2	89.0	94.2	94.8	96.8	96.8	98.7	98.7	98.7	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	6.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	6.5	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 16000	6.5	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000	6.5	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000	6.5	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000	7.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 9000	7.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 8000	7.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000	7.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 6000	7.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 5000	8.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4500	8.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4000	8.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 3500	8.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3000	9.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 2500	10.3	70.3	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	11.6	79.4	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	12.3	80.7	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	12.9	87.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	12.9	88.4	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	13.6	91.0	94.8	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	13.6	91.6	95.5	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	13.6	92.3	96.1	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	13.6	92.3	96.1	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	13.6	92.3	96.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	13.6	92.3	96.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	13.6	92.3	96.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	13.6	92.3	96.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	13.6	92.3	96.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	13.6	92.3	96.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	13.6	92.3	96.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

MAR
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.1	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000	7.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	7.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	7.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	7.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 12000	7.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000	7.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	7.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 8000	7.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 7000	7.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 6000	7.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 5000	9.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 4500	9.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4000	9.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3500	10.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3000	10.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	11.0	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2000	11.6	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	11.6	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	12.3	89.0	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.6	91.6	91.6	91.6
≥ 1200	12.9	91.6	93.6	93.6	94.2	94.2	94.8	94.8	94.8	95.5	95.5	95.5	95.5
≥ 1000	12.9	94.8	97.4	97.4	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 900	12.9	94.8	97.4	97.4	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 800	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 700	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 600	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 500	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 400	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 300	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0	12.9	95.5	98.1	98.1	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

AD-A062 040

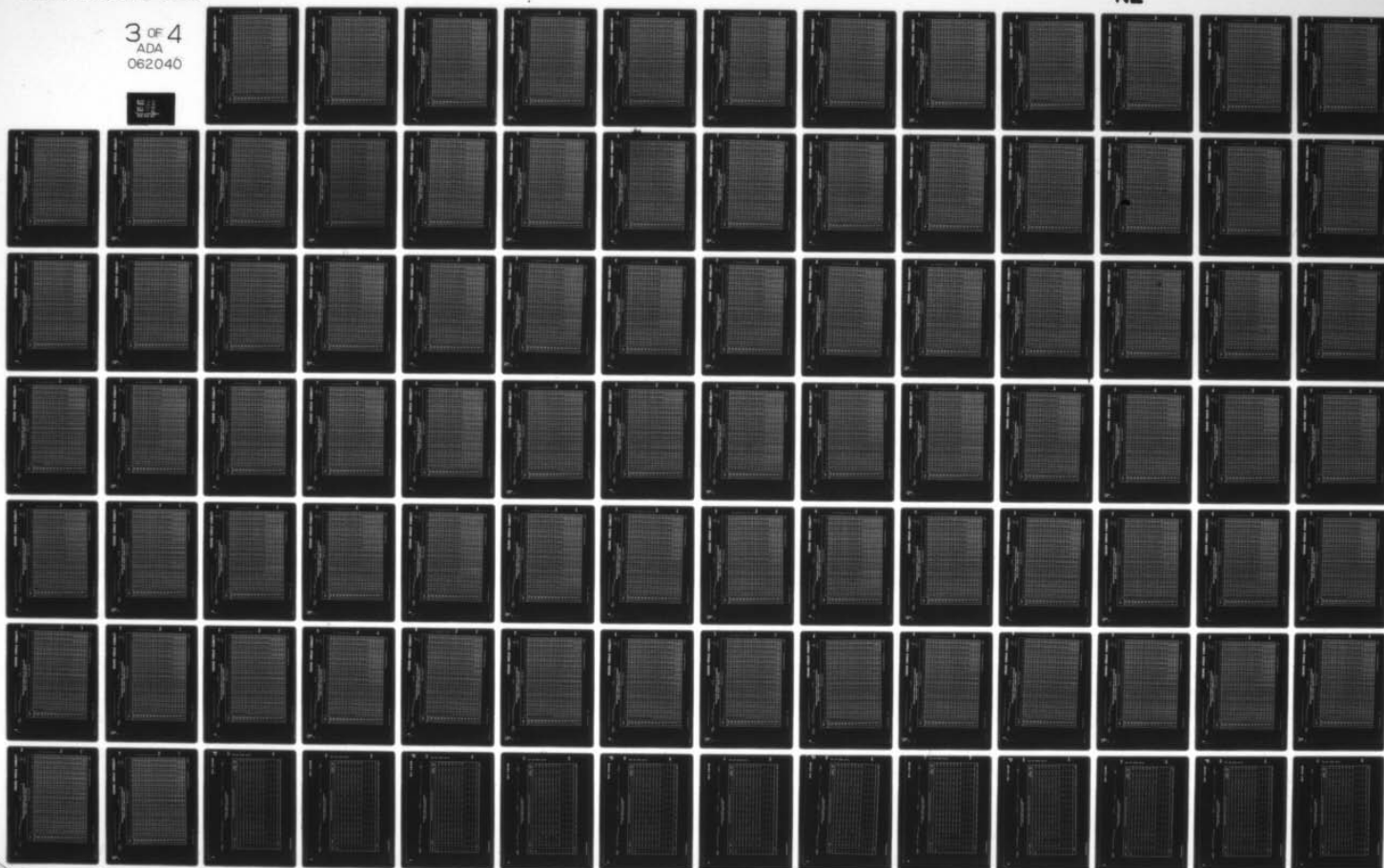
NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MIDWAY --ETC(U)
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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	5.2	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 20000	5.2	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
18000	5.8	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
16000	5.8	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
14000	5.8	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
12000	5.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
10000	5.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
9000	5.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
8000	5.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
7000	5.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
6000	5.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
5000	5.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
4500	5.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
4000	6.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
3500	6.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
3000	7.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
2500	7.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2000	7.7	81.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
1800	7.7	81.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
1500	9.0	91.6	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1200	9.0	92.3	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1000	9.0	92.9	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
900	9.0	93.6	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	9.0	94.2	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

12725

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	6.6	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 20000	6.7	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 18000	6.9	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 16000	6.9	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 14000	6.9	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 12000	7.1	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 10000	7.3	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 9000	7.4	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	7.5	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 7000	7.7	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 6000	7.8	48.4	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 5000	8.2	50.4	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4500	8.2	51.8	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	8.4	53.6	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 3500	9.2	58.4	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 3000	9.7	64.8	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 2500	10.5	74.6	75.7	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	11.5	82.0	83.8	84.4	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	11.5	82.4	84.2	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	12.1	89.7	92.4	93.3	93.7	93.7	94.1	94.2	94.2	94.4	94.4	94.4	94.4
≥ 1200	12.2	90.5	93.3	94.3	94.8	94.8	95.2	95.3	95.3	95.5	95.5	95.5	95.5
≥ 1000	12.3	92.0	95.4	96.5	97.3	97.3	98.1	98.2	98.2	98.5	98.5	98.6	98.6
≥ 900	12.3	92.4	95.8	96.9	97.7	97.7	98.5	98.6	98.6	98.9	98.9	99.0	99.0
≥ 800	12.3	92.8	96.2	97.3	98.1	98.2	98.9	99.0	99.0	99.4	99.4	99.4	99.4
≥ 700	12.3	92.8	96.2	97.3	98.2	98.2	99.0	99.0	99.0	99.4	99.4	99.5	99.5
≥ 600	12.3	93.0	96.5	97.6	98.4	98.5	99.2	99.3	99.3	99.7	99.7	99.8	99.8
≥ 500	12.3	93.1	96.5	97.7	98.6	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9
≥ 400	12.3	93.1	96.5	97.7	98.6	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9
≥ 300	12.3	93.1	96.5	97.7	98.6	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9
≥ 200	12.3	93.1	96.5	97.7	98.6	98.6	99.4	99.5	99.5	99.9	99.9	100.0	100.0
≥ 100	12.3	93.1	96.5	97.7	98.6	98.6	99.4	99.5	99.5	99.9	99.9	100.0	100.0
≥ 0	12.3	93.1	96.5	97.7	98.6	98.6	99.4	99.5	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	8.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	8.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	8.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	8.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 12000	9.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000	9.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 9000	9.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 8000	9.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 7000	9.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 6000	9.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 5000	9.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4500	9.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 4000	10.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3500	10.7	63.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3000	11.3	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2500	11.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	11.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	11.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	12.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	12.7	96.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	12.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	12.7	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	12.7	97.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	8.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	9.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	9.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	9.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	9.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	9.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	9.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 9000	9.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 8000	9.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 7000	9.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 6000	9.3	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 5000	9.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 4500	9.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	10.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500	10.7	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	11.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	12.0	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	12.0	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	12.0	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	12.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	12.0	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	12.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701

MIDWAY ISLAND

73-77

YEARS

APR

MONTH

07

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	9.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000	9.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 16000	9.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	9.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	9.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	9.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	9.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 8000	9.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 7000	9.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 6000	9.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 5000	10.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4500	10.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 4000	10.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 3500	11.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3000	12.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	12.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	12.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	12.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1600	13.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1400	14.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	14.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	14.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	14.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	14.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	14.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	14.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	14.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	14.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	14.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	14.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	14.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	14.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

1225 96181

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	10.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	10.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 18000	10.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 16000	10.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 14000	10.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 12000	10.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000	10.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	10.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	11.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	11.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	12.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	12.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	12.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	12.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500	13.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	14.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2500	14.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	16.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	18.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	16.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	16.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	16.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	9.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 9000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 7000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4500	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3500	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 2500	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 2000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1800	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1500	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1200	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1000	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 900	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 800	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 700	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 600	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 500	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 400	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 300	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 200	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 100	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 0	11.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	5.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	8.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
AI 18000	9.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 16000	9.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 14000	9.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 12000	9.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 10000	10.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
AI 9000	10.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
AI 8000	10.0	48.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
AI 7000	10.7	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
AI 6000	11.3	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
AI 5000	11.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
AI 4500	11.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
AI 4000	12.0	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
AI 3500	12.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
AI 3000	13.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
AI 2500	14.0	66.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
AI 2000	15.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
AI 1800	16.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
AI 1500	17.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 1200	17.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 1000	17.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 900	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 800	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 700	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 600	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 500	17.3	96.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 400	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 300	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 200	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 100	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 0	17.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	0.0	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	7.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000	7.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000	7.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	7.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	7.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000	8.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 9000	8.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	8.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 7000	8.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 6000	8.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 5000	8.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4500	8.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	10.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	12.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	12.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	14.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	16.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	16.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	16.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	16.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	16.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	16.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	16.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	16.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	16.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	16.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	16.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	16.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	16.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	16.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	16.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	8.0	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	8.7	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	8.7	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	8.7	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	9.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	9.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 10000	9.3	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 9000	9.3	50.0	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	9.3	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 7000	9.3	50.7	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 6000	9.3	52.0	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 5000	9.3	52.7	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 4500	10.7	55.3	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 4000	10.7	58.0	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 3500	10.7	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	11.3	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 2500	12.0	79.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	12.7	86.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	12.7	86.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	14.0	92.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	14.0	94.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	14.0	94.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	14.0	94.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	14.0	95.3	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATIONMIDWAY ISLAND
STATION NAME73-77
YEARSAPR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	8.2	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	9.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 18000	9.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 16000	9.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 14000	9.4	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 12000	9.5	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000	9.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 9000	9.7	49.6	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 8000	9.8	50.9	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	10.0	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 6000	10.2	53.3	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 5000	10.4	56.2	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 4500	10.7	59.6	59.8	59.9	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4000	11.3	63.3	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 3500	11.9	67.1	67.4	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3000	12.6	71.5	71.8	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2500	13.3	85.1	85.5	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	14.1	90.8	91.3	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	14.2	91.0	91.5	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	14.9	95.1	95.6	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	15.0	95.6	96.2	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	15.1	97.1	97.7	98.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	15.1	97.3	97.8	98.3	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	15.1	97.4	98.0	98.5	98.8	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3
≥ 700	15.1	97.4	98.1	98.6	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	15.1	97.4	98.1	98.6	98.9	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	15.1	97.6	98.3	98.8	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	15.1	97.7	98.3	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	15.1	97.7	98.3	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	15.1	97.7	98.3	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	15.1	97.7	98.3	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	15.1	97.7	98.3	98.8	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

2

1225 041181

1225

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701

STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	13.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	16.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	16.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	16.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	16.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	16.8	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	17.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	18.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	18.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	18.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	18.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	18.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	18.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	18.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	18.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	18.1	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	18.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	18.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1800	18.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	20.7	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	20.7	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	20.7	94.8	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	20.7	94.8	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	20.7	95.5	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	11.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	14.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
AI 18000	14.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
AI 16000	14.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
AI 14000	14.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
AI 12000	14.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
AI 10000	14.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
AI 9000	14.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 8000	14.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
AI 7000	15.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
AI 6000	15.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
AI 5000	16.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
AI 4500	16.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
AI 4000	16.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
AI 3500	16.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
AI 3000	17.4	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
AI 2500	18.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 2000	19.4	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
AI 1800	19.4	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
AI 1500	19.4	94.2	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 1200	19.4	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1000	19.4	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 900	19.4	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 800	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 700	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 600	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 500	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 400	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 300	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 200	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 100	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 0	19.4	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	12.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	12.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	12.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 16000	12.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	12.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	13.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	14.8	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	15.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000	15.5	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	15.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	15.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 5000	16.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4500	16.1	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	17.4	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3500	18.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	18.7	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	18.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	18.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	18.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	19.4	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	19.4	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	19.4	94.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	19.4	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	19.4	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	19.4	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	19.4	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	19.4	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	19.4	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	19.4	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	19.4	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	19.4	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	19.4	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

10

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.3	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	14.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	14.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	14.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	14.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	14.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	16.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	16.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	16.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 7000	17.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	17.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	18.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4500	18.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	18.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	18.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	20.0	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	20.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	22.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	22.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	23.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	23.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	23.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	23.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	23.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	23.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	23.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	23.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	23.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	23.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	23.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	23.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	23.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

DIRNA VOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	15.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	18.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	18.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	18.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	18.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	20.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	21.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	21.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	21.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	21.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	21.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	22.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	22.6	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	23.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	23.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	24.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	26.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2000	28.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800	28.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	28.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	29.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	29.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	14.2	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	18.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	18.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	18.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	18.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	18.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	20.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	20.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
8000	20.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
7000	21.3	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
6000	21.9	63.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
5000	23.9	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4500	23.9	69.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
4000	23.9	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
3500	25.2	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
3000	25.2	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2500	25.8	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
2000	26.5	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1800	26.5	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1500	27.1	93.6	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1200	27.1	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1000	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	27.1	96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY

MONTH

22

NUMBER OF DAYS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	15.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	16.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	16.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	16.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	16.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	16.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	17.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	18.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	18.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	18.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	18.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	18.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	18.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	18.7	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500	19.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3000	19.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 2500	19.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	20.0	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800	21.9	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	22.6	91.6	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	22.6	93.6	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	22.6	95.5	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	22.6	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	22.6	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	22.6	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	22.6	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	22.6	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	22.6	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	22.6	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	22.6	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	22.6	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	22.6	96.1	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2
1225

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	13.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	16.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	16.1	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	16.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	16.1	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000	16.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 10000	17.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	18.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	18.3	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	18.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 6000	18.7	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	19.3	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	19.3	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	19.7	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	20.1	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	20.7	74.4	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	21.5	80.1	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2000	22.6	87.6	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	22.6	87.6	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	23.5	93.0	93.6	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	23.6	94.5	95.3	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	23.6	96.3	97.5	98.2	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	23.6	96.4	97.7	98.4	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	23.6	96.6	97.9	98.6	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	23.6	96.8	98.1	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	23.6	96.8	98.1	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	23.6	96.9	98.2	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	23.6	96.9	98.2	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	23.6	96.9	98.2	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	23.6	96.9	98.2	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	23.6	96.9	98.2	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	23.6	96.9	98.2	99.0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	16.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	18.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	18.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	18.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	18.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	18.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 10000	18.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 9000	18.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	18.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	18.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	19.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 5000	19.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	20.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	20.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	21.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	22.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	22.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	23.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	23.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	23.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	23.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	23.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

0100

22701

MIDWAY ISLAND

73-77

JUN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	18.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	20.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 18000	20.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	20.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	20.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000	20.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	20.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	20.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	20.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	20.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	20.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	20.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	21.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	21.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	21.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	22.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2500	22.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	22.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	23.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	23.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	23.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	23.3	96.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	23.3	96.0	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	23.3	96.0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMLT SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	18.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	20.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	20.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	20.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	20.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	20.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 10000	20.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	20.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	20.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	20.7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	21.3	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	22.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	22.0	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	22.0	80.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	22.0	82.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	22.0	84.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	22.7	86.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	24.0	92.0	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	24.0	92.0	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	24.0	94.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	24.0	94.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	24.0	94.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	24.0	94.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	24.0	94.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	24.0	94.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	24.0	94.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	24.0	94.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	24.0	94.7	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	24.0	94.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	24.0	94.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	24.0	94.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	24.0	94.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701

MIDWAY ISLAND

73-77

JUN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	21.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	23.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000	23.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	23.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	23.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	23.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	24.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	24.0	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	24.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	24.7	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	25.3	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 5000	25.3	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	25.3	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4000	25.3	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3500	25.3	88.7	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	25.3	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	25.3	90.0	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	25.3	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	25.3	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	26.7	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	26.7	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	26.7	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	26.7	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	26.7	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	26.7	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	26.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	26.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	26.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	26.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	26.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	26.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	26.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	20.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 20000	22.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 18000	22.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
AI 16000	22.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
AI 14000	22.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
AI 12000	23.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
AI 10000	24.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
AI 9000	24.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 8000	24.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
AI 7000	24.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
AI 6000	24.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
AI 5000	24.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
AI 4500	24.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
AI 4000	25.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
AI 3500	25.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
AI 3000	26.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
AI 2500	26.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
AI 2000	27.3	93.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
AI 1800	27.3	93.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
AI 1500	27.3	94.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AI 1200	27.3	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AI 1000	27.3	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 900	27.3	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 800	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 700	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 600	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 500	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 400	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 300	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 200	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 100	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 0	27.3	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	16.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	22.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 18000	22.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	22.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	22.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000	22.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	23.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000	23.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	23.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	23.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	23.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	24.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	24.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	24.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	24.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	24.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	25.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	26.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	26.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500	26.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	26.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	26.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	26.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	14.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	20.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
18000	20.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
16000	20.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
14000	20.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
12000	20.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
10000	20.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	20.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
8000	21.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
7000	21.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
6000	21.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
5000	22.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
4500	22.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
4000	23.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
3500	24.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3000	24.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2500	24.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2000	24.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1800	24.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1500	24.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1200	24.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1000	24.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
900	24.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
800	24.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
700	24.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
600	24.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
500	24.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
400	24.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
300	24.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
200	24.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
100	24.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	24.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	17.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 20000	20.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000	20.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	20.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000	20.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	20.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	20.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000	20.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	20.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	20.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	21.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	21.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	22.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	22.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	22.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	22.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	22.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	23.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	23.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	23.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	23.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	23.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	23.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	23.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701

MIDWAY ISLAND

73-77

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	17.9	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	20.9	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 18000	20.9	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	20.9	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	20.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 12000	21.0	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	21.3	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	21.3	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	21.8	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 7000	21.8	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 6000	22.2	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 5000	22.4	79.9	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 4500	22.9	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	23.1	84.1	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	23.3	85.3	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	23.6	87.3	87.7	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	23.9	89.8	90.2	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2000	24.6	92.6	93.4	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	24.6	92.7	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	24.8	95.3	96.1	96.3	96.4	96.4	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	24.8	95.7	96.3	96.8	96.9	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	24.8	96.5	97.5	97.8	98.3	98.3	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8
≥ 900	24.8	96.6	97.6	97.9	98.4	98.4	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	24.8	96.8	97.9	98.3	98.8	98.8	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3
≥ 700	24.8	97.0	98.1	98.4	99.0	99.1	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8
≥ 600	24.8	97.0	98.1	98.4	99.0	99.1	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8
≥ 500	24.8	97.0	98.1	98.4	99.0	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 400	24.8	97.0	98.1	98.4	99.0	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
≥ 300	24.8	97.0	98.2	98.5	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	24.8	97.0	98.2	98.5	99.1	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	24.8	97.0	98.2	98.5	99.1	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	24.8	97.0	98.2	98.5	99.1	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	9.7	55.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	10.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	12.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 16000	12.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 14000	12.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 12000	12.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 10000	12.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	13.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	13.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	13.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	13.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 5000	13.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	14.2	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4000	14.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500	14.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	14.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	14.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	14.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	14.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	14.2	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	9.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	9.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 18000	10.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 16000	10.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 14000	10.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	10.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000	10.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000	10.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000	11.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	11.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000	11.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	11.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	12.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	12.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	12.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	12.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	12.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	12.3	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	12.3	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	12.3	96.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	9.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 18000	9.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000	10.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	11.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 12000	12.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	12.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 9000	12.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000	13.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	13.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	13.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	13.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	13.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	13.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	13.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	13.6	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	13.6	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	14.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	14.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	14.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	14.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	14.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

HIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	11.6	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	13.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	13.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	13.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	14.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	14.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	14.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	14.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	15.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000	15.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	15.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000	15.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	15.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	15.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	15.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	15.5	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	16.1	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	16.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	16.8	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	16.8	96.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	11.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	13.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 18000	14.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 16000	14.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 14000	14.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	14.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	14.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	14.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 8000	14.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	14.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 6000	14.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	14.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500	14.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000	14.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	14.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	14.2	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	14.8	91.6	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
≥ 2000	16.1	96.1	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1
≥ 1800	16.1	96.1	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1
≥ 1500	16.1	97.4	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 1200	16.1	97.4	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 1000	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 900	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 800	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 700	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 600	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 500	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 400	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 300	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0	16.1	98.1	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	11.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	14.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
18000	16.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
16000	16.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
14000	16.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
12000	17.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
10000	17.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
9000	17.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
8000	17.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
7000	17.4	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
6000	17.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
5000	17.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
4500	17.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
4000	17.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3500	17.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3000	17.4	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2500	17.4	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2000	17.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1800	17.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1500	17.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1200	17.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	17.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

73-77

STATION NAME

YEARS

JUL

MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	8.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	11.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	12.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	12.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	13.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	15.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000	15.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	16.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 8000	16.1	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 7000	16.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	16.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	16.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	16.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	16.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	16.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	16.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	16.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	16.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	16.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	16.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	8.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000	9.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 16000	10.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 14000	10.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 12000	10.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 10000	10.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 9000	11.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 8000	11.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 7000	11.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000	11.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 5000	11.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4500	12.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	12.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	12.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	12.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	12.3	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	12.3	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	12.3	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	12.3	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	12.3	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	12.3	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 135

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 20000	11.3	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 18000	12.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 16000	12.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 14000	12.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	13.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 10000	13.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	13.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 8000	14.1	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 7000	14.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 6000	14.2	87.4	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 5000	14.2	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500	14.4	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000	14.4	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500	14.4	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	14.4	90.7	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500	14.6	93.7	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	14.9	96.7	97.7	97.6	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	14.9	96.7	97.7	97.6	97.9	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	14.9	97.2	98.7	98.8	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	14.9	97.2	98.7	98.8	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	14.9	97.5	99.0	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

01

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	7.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 20000	7.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	7.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	7.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	7.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 12000	7.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 10000	7.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	7.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	7.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	7.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	7.1	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 5000	7.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	7.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	7.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	7.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	7.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	8.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	8.4	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	8.4	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	9.0	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	9.0	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	8.4	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 20000	9.0	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 18000	9.0	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 16000	9.0	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 14000	9.0	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 12000	9.0	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 10000	9.0	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 9000	9.0	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 8000	9.0	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 7000	9.0	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 6000	9.0	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 5000	9.0	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4500	9.0	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	9.7	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	9.7	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	9.7	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	9.7	93.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	9.7	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	9.7	94.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	9.7	95.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	9.7	96.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	8.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 18000	8.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 16000	8.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 14000	9.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000	9.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	10.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	11.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
8000	11.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
7000	11.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
6000	11.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
5000	12.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
4500	12.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
4000	12.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3500	12.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3000	12.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2500	12.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2000	12.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1800	12.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1500	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1200	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1000	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
900	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
800	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
700	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
600	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
500	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
400	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
300	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
200	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
100	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	12.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

10

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	9.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	12.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	12.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	12.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	12.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 12000	12.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 10000	12.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	12.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	12.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 7000	12.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 6000	12.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 5000	14.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500	14.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	14.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3500	14.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3000	14.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	14.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	14.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	10.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	11.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 18000	11.5	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	11.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	12.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 12000	12.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 10000	12.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	12.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	12.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 7000	12.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 6000	12.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 5000	14.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4500	14.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	14.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	14.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000	14.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	14.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	14.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	14.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	14.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

16
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	14.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
18000	15.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
16000	15.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
14000	15.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
12000	15.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
10000	15.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
9000	15.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
8000	15.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
7000	15.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
6000	15.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
5000	15.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
4500	15.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
4000	15.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3500	15.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3000	15.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2500	15.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2000	15.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1800	15.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1500	15.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	15.5	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	15.5	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	10.3	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 18000	11.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	11.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 14000	11.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	11.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	11.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	11.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	11.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 7000	11.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 6000	11.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 5000	11.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	11.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4000	12.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500	12.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	12.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	12.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2000	12.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	12.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	12.9	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	12.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	8.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	8.4	60.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	9.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	9.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	9.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 12000	9.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 10000	9.7	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	9.7	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	9.7	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 7000	9.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 6000	9.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 5000	9.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	9.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	9.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	9.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	9.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	9.7	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	10.3	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	10.3	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	10.3	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	10.3	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	8.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 20000	10.3	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 18000	10.6	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	10.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 14000	10.8	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 12000	11.0	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 10000	11.1	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	11.2	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 8000	11.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 7000	11.2	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 6000	11.2	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000	11.7	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500	11.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 4000	11.9	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 3500	11.9	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	11.9	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	12.0	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000	12.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	12.3	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	12.3	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	12.3	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	12.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

1240

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

01
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	6.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
18000	6.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
16000	6.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
14000	7.3	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
12000	8.7	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
10000	8.7	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
9000	8.7	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
8000	8.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
7000	8.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
6000	8.7	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
5000	8.7	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
4500	10.0	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
4000	10.7	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
3500	10.7	84.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
3000	10.7	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2500	10.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2000	11.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
1800	12.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1500	12.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	12.0	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	12.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	8.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 20000	9.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	9.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	10.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 14000	10.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 12000	10.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 10000	10.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 9000	10.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 8000	10.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 7000	10.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 6000	10.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000	11.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4500	11.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4000	11.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	11.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000	11.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	11.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000	11.3	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	11.3	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	11.3	96.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	12.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	14.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
18000	14.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
16000	14.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
14000	16.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
12000	16.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
10000	16.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
9000	16.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
8000	16.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
7000	16.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
6000	16.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
5000	18.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
4500	18.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4000	18.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
3500	18.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
3000	18.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2500	19.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2000	20.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1800	20.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1500	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

10

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	17.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	19.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	19.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	20.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	20.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000	20.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 10000	20.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 9000	20.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	21.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	21.3	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	21.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	21.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	21.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	21.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	21.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	21.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	22.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000	22.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	22.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	23.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	14.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	16.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 18000	16.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	16.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	16.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	16.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	16.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	16.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 8000	19.3	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	19.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	19.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	20.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	20.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	22.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	22.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	22.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	23.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	24.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	24.0	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	24.0	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	24.0	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	24.0	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	24.0	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	24.0	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	24.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	24.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	24.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	24.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	24.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	24.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	24.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	24.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	15.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	16.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	17.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	18.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	19.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	20.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	20.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	20.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	21.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 7000	21.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	22.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 5000	22.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	23.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 4000	23.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	23.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	23.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	24.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	24.0	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	24.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	24.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701

MIDWAY ISLAND

73-77

SEP

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	14.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	16.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	16.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	17.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000	17.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 12000	18.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	18.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000	18.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	18.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	18.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	18.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	16.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	16.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	18.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	16.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	18.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	16.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	18.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	18.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	19.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701 STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING	7.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	9.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 18000	9.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 16000	10.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	11.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	11.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000	11.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 9000	11.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 8000	11.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 7000	11.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000	11.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 5000	11.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	12.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000	12.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	12.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	12.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	12.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	12.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	12.0	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	12.0	98.0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

2

12754500101

12754

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	11.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	13.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 18000	13.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 16000	14.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 14000	14.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	15.3	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 10000	15.4	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 9000	15.5	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	15.9	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 7000	15.9	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 6000	16.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 5000	16.4	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4500	16.9	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	17.2	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	17.2	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	17.2	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	17.8	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	18.0	95.8	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	18.2	96.2	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	18.3	97.6	98.5	98.8	98.9	98.9	99.2	99.3	99.3	99.3	99.3
≥ 1200	18.3	97.6	98.5	98.8	98.9	98.9	99.2	99.3	99.3	99.3	99.3
≥ 1000	18.3	97.8	98.7	99.0	99.1	99.1	99.4	99.5	99.5	99.5	99.5
≥ 900	18.3	97.8	98.7	99.0	99.1	99.1	99.4	99.5	99.5	99.5	99.5
≥ 800	18.3	97.8	98.7	99.0	99.1	99.1	99.4	99.5	99.5	99.5	99.5
≥ 700	18.3	97.8	98.8	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8
≥ 600	18.3	97.8	98.8	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8
≥ 500	18.3	97.8	98.8	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8
≥ 400	18.3	97.8	98.8	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8
≥ 300	18.3	97.8	98.8	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8
≥ 200	18.3	97.8	98.8	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8
≥ 100	18.3	97.8	98.8	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8
≥ 0	18.3	97.8	98.8	99.1	99.3	99.3	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	11.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	12.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	12.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 16000	12.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000	12.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 12000	12.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000	12.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	12.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	12.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	12.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000	12.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	13.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	13.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000	13.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500	13.6	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	13.5	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	16.1	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	16.8	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	17.4	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	18.1	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	18.1	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	18.1	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 20000	12.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	12.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	12.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 14000	12.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 12000	12.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	12.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	12.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	12.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1
≥ 7000	12.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4
≥ 6000	12.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0
≥ 5000	12.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7
≥ 4500	13.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3
≥ 4000	13.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2
≥ 3500	14.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5
≥ 3000	14.8	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8
≥ 2500	15.5	85.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.4	86.4	86.4	86.4	86.4
≥ 2000	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 1800	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 1500	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 1200	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 1000	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 900	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 800	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 700	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 600	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 500	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 400	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 300	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 200	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
≥ 100	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1
0	16.8	86.8	87.4	87.4	87.4	87.4	87.4	87.4	87.4	88.1	88.1	88.1	88.1	88.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	14.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	14.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	14.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	14.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	14.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	14.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	14.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	14.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	14.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	14.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	14.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	15.5	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500	16.1	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	16.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	16.8	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	17.4	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	18.7	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	18.7	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	18.7	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	18.7	97.4	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

135

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

7A-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	16.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	17.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
AI 18000	18.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
AI 16000	18.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
AI 14000	18.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
AI 12000	18.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
AI 10000	18.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
AI 9000	18.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
AI 8000	20.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
AI 7000	20.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
AI 6000	20.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 5000	20.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 4500	21.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 4000	21.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
AI 3500	22.6	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
AI 3000	24.5	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 2500	25.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
AI 2000	25.8	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1800	25.8	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1500	25.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 1200	25.8	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
AI 1000	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	25.8	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	19.4	50.0	50.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	20.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	20.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	21.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000	21.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	21.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	21.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	21.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	21.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	22.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	22.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	23.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	23.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3500	23.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	24.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	25.2	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	25.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	25.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	25.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT
MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	18.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	18.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 18000	19.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 16000	20.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 14000	20.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 12000	20.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 10000	20.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 9000	20.8	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 8000	22.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	22.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 6000	22.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 5000	22.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4500	22.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	22.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3500	22.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	23.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	24.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	24.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800	25.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	25.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	25.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.4	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	11.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
AI 18000	12.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
AI 16000	12.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
AI 14000	12.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
AI 12000	12.3	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
AI 10000	12.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
AI 9000	13.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
AI 8000	14.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
AI 7000	14.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
AI 6000	14.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
AI 5000	14.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
AI 4500	14.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
AI 4000	14.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
AI 3500	14.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
AI 3000	15.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 2500	16.9	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
AI 2000	18.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AI 1800	18.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AI 1500	19.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 1200	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	19.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	13.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	14.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 18000	14.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 16000	14.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 14000	14.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 12000	14.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	14.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	14.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 8000	14.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	14.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 6000	14.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	14.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	14.9	77.9	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	14.9	78.6	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3500	14.9	79.9	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000	15.6	82.5	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	16.2	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	17.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	17.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	18.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	18.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	18.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	18.2	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	18.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701

MIDWAY ISLAND

STATION

73-77

STATION NAME

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	14.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	15.3	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000	15.5	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 16000	15.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 14000	15.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	15.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 10000	15.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	15.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 8000	16.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000	16.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 6000	16.8	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 5000	17.2	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4500	17.5	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	17.6	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	18.0	80.2	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3000	18.9	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	19.7	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	20.6	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	20.8	95.2	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1500	21.0	96.4	97.5	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	21.0	97.1	98.1	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	21.0	97.4	98.6	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	21.0	97.4	98.6	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	21.0	97.5	98.7	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

1237

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	5.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	5.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 18000	5.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	5.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	5.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	5.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 10000	5.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 9000	5.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	5.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 7000	5.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 6000	5.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000	5.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	6.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4000	6.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500	6.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3000	6.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	7.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	8.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	8.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	8.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	8.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	8.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	8.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	8.7	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

04

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	3.3	46.7	40.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	3.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	3.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	3.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	3.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	3.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	4.0	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	4.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	4.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	4.7	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	4.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	4.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500	4.7	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	4.7	66.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	6.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	6.7	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	8.0	84.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	8.0	93.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	8.0	93.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	8.0	94.7	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	8.0	94.7	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	8.0	95.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	6.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	6.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
18000	6.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
16000	6.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
14000	6.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
12000	6.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
10000	7.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9000	7.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
8000	7.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
7000	7.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
6000	7.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
5000	7.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
4500	7.3	58.0	58.0	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
4000	8.0	63.3	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
3500	8.0	67.3	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
3000	10.0	74.0	74.0	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2500	10.7	81.3	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
2000	11.3	88.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1800	11.3	88.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1500	12.7	92.7	96.0	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
1200	12.7	93.3	96.7	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
1000	12.7	94.0	97.3	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
900	12.7	94.0	97.3	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
800	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
700	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
600	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
500	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
400	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
300	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
200	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
100	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
0	12.7	94.7	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	8.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	0.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	8.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	8.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 14000	8.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	9.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 10000	10.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 9000	11.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 8000	11.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 7000	11.3	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	11.3	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	11.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	11.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	12.0	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3500	12.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3000	14.7	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	14.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	15.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	15.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	15.3	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1200	15.3	95.3	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	15.3	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	10.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	10.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
18000	10.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
16000	10.0	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
14000	10.0	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
12000	10.7	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
10000	10.7	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
9000	10.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
8000	10.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
7000	10.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
6000	10.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
5000	10.7	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
4500	10.7	62.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
4000	11.3	66.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
3500	12.7	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
3000	13.3	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2500	14.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2000	16.0	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1800	16.0	89.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1500	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1200	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1000	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
900	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
800	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
700	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
600	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
500	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
400	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
300	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
200	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
100	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	16.0	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	6.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000	6.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	6.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	6.0	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	6.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 12000	6.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000	8.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9000	9.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	9.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 7000	10.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	10.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 5000	10.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4500	10.7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	10.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	10.7	68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3000	12.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 2500	13.3	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	16.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	16.7	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	16.7	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	16.7	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	16.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	5.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	5.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 18000	5.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 16000	5.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 14000	6.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	6.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000	6.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 9000	6.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
8000	6.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
7000	6.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
6000	7.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
5000	6.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
4500	8.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
4000	8.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
3500	9.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
3000	10.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2500	12.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
2000	12.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1800	12.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
1500	12.7	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
1200	12.7	97.3	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7
1000	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
900	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
800	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
700	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
600	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
500	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
400	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
300	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
200	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
100	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3
0	12.7	98.0	98.0	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

73-77

NAVY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	8.0	48.0	48.0	48.0	48.0	46.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	8.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	8.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	8.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	6.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	6.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 10000	8.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 9000	8.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	8.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 7000	8.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000	8.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	8.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	9.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	9.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500	9.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3000	10.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500	10.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	10.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	10.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	10.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	10.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	10.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	10.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	10.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	6.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000	5.6	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
AI 18000	6.6	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
AI 16000	6.7	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 14000	6.8	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
AI 12000	7.0	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
AI 10000	7.7	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
AI 9000	7.9	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
AI 8000	8.0	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
AI 7000	8.1	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
AI 6000	8.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
AI 5000	8.3	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
AI 4500	8.6	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
AI 4000	8.8	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
AI 3500	9.3	67.6	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
AI 3000	10.3	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
AI 2500	11.4	81.8	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
AI 2000	12.3	90.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
AI 1800	12.3	91.5	92.8	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
AI 1500	12.5	95.1	96.5	96.8	97.3	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8
AI 1200	12.6	95.4	96.8	97.3	97.8	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3
AI 1000	12.6	96.0	97.5	98.0	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
AI 900	12.6	96.0	97.5	98.0	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1
AI 800	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
AI 700	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
AI 600	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
AI 500	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
AI 400	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
AI 300	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
AI 200	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
AI 100	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5
AI 0	12.6	96.3	97.8	98.3	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

01

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	8.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	8.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	8.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 16000	8.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	8.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	8.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	8.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 9000	8.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000	8.5	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000	8.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 6000	8.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000	9.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500	9.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	9.2	72.6	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	9.8	76.5	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	10.5	78.4	78.4	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2500	11.1	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2000	13.1	87.6	88.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	13.1	88.9	90.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	13.1	90.9	92.2	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	13.1	92.2	93.5	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	13.1	92.8	94.1	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	13.1	92.8	94.1	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	13.1	93.5	94.8	96.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	13.1	93.5	94.8	96.1	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	13.1	93.5	94.8	96.1	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	13.1	93.5	94.8	96.1	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	13.1	93.5	94.8	96.1	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	13.1	94.1	95.4	96.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	13.1	94.1	95.4	96.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	13.1	94.1	95.4	96.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	13.1	94.1	95.4	96.7	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	8.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	9.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
18000	9.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
16000	9.2	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
14000	9.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
12000	9.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
10000	9.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
9000	9.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
8000	9.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
7000	9.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
6000	9.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
5000	10.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
4500	11.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
4000	11.1	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
3500	11.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
3000	11.1	77.8	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
2500	11.1	83.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2000	13.1	88.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
1800	13.1	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
1500	13.1	92.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1200	13.1	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1000	13.1	94.8	96.7	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
900	13.1	94.8	97.4	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	13.1	95.4	98.0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC
MONTH

07

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7.6	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000	7.6	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 18000	7.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 16000	7.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000	7.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 12000	7.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 10000	8.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 9000	8.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 8000	9.2	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	9.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 6000	9.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 5000	9.8	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 4500	9.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4000	9.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 3500	11.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	12.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500	13.1	84.3	84.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2000	13.1	88.9	88.9	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	13.1	90.2	90.2	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	13.7	94.1	94.8	95.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	13.7	94.1	95.4	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	13.7	94.8	96.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	13.7	94.8	96.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	13.7	94.8	96.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	13.7	94.8	96.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	13.7	94.8	96.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	13.7	94.8	96.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	13.7	94.8	96.1	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	13.7	94.8	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	13.7	94.8	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	13.7	94.8	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	13.7	94.8	96.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	11.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	12.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	12.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	12.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	12.4	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	12.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	12.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000	12.4	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	12.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 7000	12.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 6000	12.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 5000	13.1	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 4500	15.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	15.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3500	17.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3000	18.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2500	19.6	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2000	19.6	88.9	90.9	90.9	90.9	91.5	91.5	91.5	91.5	92.0	92.8
≥ 1800	19.6	89.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	93.5	93.5
≥ 1500	19.6	91.5	94.1	94.1	94.1	94.8	94.8	94.8	94.8	96.1	96.1
≥ 1200	19.6	91.5	94.8	94.8	94.8	95.4	95.4	95.4	95.4	96.7	96.7
≥ 1000	19.6	91.5	94.8	94.8	94.8	95.4	96.1	96.1	96.1	98.0	98.0
≥ 900	19.6	91.5	94.8	94.8	94.8	96.1	96.7	96.7	97.4	98.7	98.7
≥ 800	19.6	91.5	94.8	94.8	94.8	96.1	96.7	97.4	98.0	99.4	99.4
≥ 700	19.6	91.5	94.8	94.8	94.8	96.1	96.7	97.4	98.0	99.4	99.4
≥ 600	19.6	91.5	94.8	94.8	94.8	96.1	96.7	97.4	98.0	99.4	99.4
≥ 500	19.6	91.5	94.8	94.8	95.4	96.7	97.4	98.0	98.7	100.0	100.0
≥ 400	19.6	91.5	94.8	94.8	95.4	96.7	97.4	98.0	98.7	100.0	100.0
≥ 300	19.6	91.5	94.8	94.8	95.4	96.7	97.4	98.0	98.7	100.0	100.0
≥ 200	19.6	91.5	94.8	94.8	95.4	96.7	97.4	98.0	98.7	100.0	100.0
≥ 100	19.6	91.5	94.8	94.8	95.4	96.7	97.4	98.0	98.7	100.0	100.0
0	19.6	91.5	94.8	94.8	95.4	96.7	97.4	98.0	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

MONTH

13
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 0
NO CEILING	11.8	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 20000	11.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	11.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 16000	11.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000	12.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 12000	13.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000	13.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	13.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	14.4	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 7000	14.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 6000	14.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 5000	15.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	15.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	16.3	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500	17.7	75.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3000	18.3	79.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	19.6	85.0	85.6	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	20.3	90.2	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800	20.3	91.5	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	20.3	93.5	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	20.3	93.5	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1000	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	20.3	94.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

153

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

MONTH

16

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.7	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 20000	13.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 18000	13.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	13.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 14000	13.0	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 12000	13.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 10000	14.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 9000	14.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	14.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 7000	14.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 6000	14.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 5000	14.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4500	15.6	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4000	16.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	16.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3000	17.5	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 2500	19.5	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	20.8	89.6	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	20.8	90.9	90.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	20.8	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	20.8	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	20.8	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	11.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000	11.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	11.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 16000	11.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 14000	11.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000	11.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	11.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	11.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 8000	11.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 7000	11.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 6000	11.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000	11.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4500	13.6	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4000	14.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	14.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	14.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	15.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	16.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	16.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1500	16.9	92.9	93.5	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200	16.9	94.2	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	16.9	94.8	95.5	96.1	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	16.9	94.8	95.5	96.1	96.1	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	16.9	94.8	96.1	96.8	96.8	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	16.9	95.5	96.8	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	16.9	95.5	96.8	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	16.9	95.5	96.8	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	16.9	95.5	96.8	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	16.9	95.5	96.8	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	16.9	95.5	96.8	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	16.9	95.5	96.8	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	16.9	95.5	96.8	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

154

121545101

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	2.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	10.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	10.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	10.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	10.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	11.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	11.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	11.0	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000	11.0	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 7000	11.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 6000	11.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 5000	11.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4500	11.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	12.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3500	12.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	13.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2500	13.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	14.3	88.3	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	14.3	88.3	89.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	14.3	93.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	14.3	93.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	14.3	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	14.3	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	14.3	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	14.3	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	14.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	14.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	14.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	14.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	14.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	14.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	14.3	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

STATION NAME
MIDWAY ISLAND

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	10.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	10.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 18000	10.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	10.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	10.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 12000	10.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	11.1	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	11.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 8000	11.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 7000	11.4	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 6000	11.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 5000	11.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	12.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4000	13.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3500	13.9	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000	14.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	15.4	83.9	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	16.4	89.2	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	16.4	90.1	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500	16.5	93.0	94.3	95.0	95.1	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6
≥ 1200	16.5	93.5	95.0	95.6	95.8	96.0	96.2	96.3	96.3	96.4	96.6	96.6	96.6
≥ 1000	16.5	94.0	95.5	96.3	96.7	96.9	97.2	97.6	97.6	97.8	98.0	98.0	98.0
≥ 900	16.5	94.1	95.7	96.5	96.8	97.2	97.5	97.9	98.0	98.1	98.4	98.4	98.4
≥ 800	16.5	94.2	95.9	96.7	97.1	97.5	97.8	98.3	98.4	98.5	98.8	98.8	98.8
≥ 700	16.5	94.4	96.1	96.9	97.3	97.7	98.0	98.5	98.6	98.9	99.2	99.2	99.2
≥ 600	16.5	94.5	96.2	97.0	97.4	97.8	98.1	98.6	98.7	99.0	99.3	99.3	99.3
≥ 500	16.5	94.5	96.2	97.0	97.5	97.9	98.2	98.7	98.9	99.3	99.6	99.6	99.6
≥ 400	16.5	94.5	96.2	97.0	97.5	97.9	98.2	98.7	98.9	99.3	99.6	99.6	99.6
≥ 300	16.5	94.5	96.3	97.2	97.6	98.0	98.4	98.9	99.0	99.4	99.8	99.8	99.8
≥ 200	16.5	94.5	96.3	97.2	97.7	98.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8
≥ 100	16.5	94.5	96.3	97.2	97.7	98.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8
0	16.5	94.5	96.3	97.2	97.7	98.1	98.5	98.9	99.1	99.5	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1227

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.2	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000	11.3	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	11.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 16000	11.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 14000	11.7	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000	11.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	12.1	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	12.3	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	12.6	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	12.7	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000	12.8	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	13.1	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4500	13.4	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	13.6	73.4	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	14.0	75.5	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	14.4	78.8	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 2500	15.0	85.3	85.9	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	15.7	90.9	91.9	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
≥ 1800	15.8	91.2	92.2	92.5	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1500	16.1	94.4	95.8	96.2	96.5	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9
≥ 1200	16.1	94.9	96.4	96.9	97.2	97.2	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6
≥ 1000	16.1	95.6	97.3	97.9	98.3	98.4	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0
≥ 900	16.1	95.7	97.4	97.9	98.4	98.5	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 800	16.1	95.9	97.6	98.2	98.7	98.8	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5
≥ 700	16.1	95.9	97.6	98.2	98.8	98.9	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7
≥ 600	16.1	96.0	97.7	98.3	98.8	98.9	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7
≥ 500	16.1	96.0	97.7	98.3	98.9	99.0	99.4	99.6	99.6	99.8	99.9	99.9	99.9	99.9
≥ 400	16.1	96.0	97.7	98.3	98.9	99.0	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9
≥ 300	16.1	96.0	97.8	98.4	99.0	99.1	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	16.1	96.0	97.8	98.4	99.0	99.1	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9
≥ 100	16.1	96.0	97.8	98.4	99.0	99.1	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9
0	16.1	96.0	97.8	98.4	99.0	99.1	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 14592

DIRNAVOCEANMET SMOS

UNION

5704 SKY COVER JAN 68

11

PERIOD

MONTH
JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	3.9	4.5	9.0	9.7	7.7	11.6	7.7	7.1	9.7	3.9	25.2	6.0	155
	04	2.6	1.9	12.9	10.3	11.0	7.7	7.1	6.5	9.7	6.5	23.9	6.0	155
	07	.6	3.9	11.6	11.0	9.0	7.7	6.5	9.7	12.3	9.7	18.1	6.1	155
	10	1.3	5.2	6.5	11.0	7.7	6.5	8.4	9.7	12.9	11.6	19.4	6.3	155
	13	2.6	5.2	6.5	6.5	9.0	7.1	11.6	10.3	8.4	7.7	25.2	6.4	155
	16	2.6	3.2	4.5	7.7	5.8	11.6	11.0	14.8	9.0	10.3	19.4	6.5	155
	19	3.9	5.2	5.2	5.2	8.4	6.5	9.0	7.7	12.9	14.2	21.9	6.6	155
	22	1.9	3.9	8.4	12.3	14.2	7.1	6.5	1.9	12.9	7.1	23.9	6.1	155
TOTALS		2.4	4.1	8.1	9.2	9.1	8.2	8.5	8.5	11.0	8.9	22.1	6.3	1240

MONTH
FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	01	8.5	6.4	6.4	8.5	7.1	7.8	7.1	8.5	10.6	7.8	21.3	5.8	141
	04	5.7	8.5	5.0	7.1	5.7	5.7	5.7	3.5	13.5	12.1	27.7	6.4	141
	07	2.1	6.4	6.4	7.1	6.4	1.4	6.4	11.3	10.6	17.7	24.1	6.8	141
	10	5.7	3.5	4.3	7.8	3.5	7.8	5.0	8.5	13.5	12.8	27.7	6.8	141
	13	5.0	5.0	7.1	2.8	5.7	5.7	7.1	6.4	12.1	14.9	28.4	6.8	141
	16	2.8	2.1	6.4	12.1	5.0	12.1	5.0	5.7	5.7	17.0	26.2	6.6	141
	19	3.5	2.8	6.4	11.3	6.4	3.5	9.2	9.9	10.6	13.5	22.7	6.5	141
	22	4.3	4.3	10.6	13.5	7.1	5.7	3.5	5.7	12.1	12.1	21.3	6.0	141
TOTALS		4.7	4.9	6.6	8.8	5.9	6.2	6.1	7.4	11.1	13.5	24.9	6.5	1128

NAVWEASERVCOM

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	3.2	3.9	6.5	10.3	8.4	5.8	6.5	5.8	9.7	8.4	31.6	6.6	155
	04	3.9	6.5	6.5	5.2	7.7	6.5	8.4	7.1	7.1	8.4	32.9	6.6	155
	07	.6	2.6	9.7	3.2	5.2	7.1	7.1	7.7	9.0	14.2	33.5	7.2	155
	10	3.2	5.8	3.9	8.4	7.1	5.8	3.9	9.0	8.4	14.8	29.7	6.8	155
	13	1.9	5.2	5.8	9.0	5.2	9.7	5.2	4.5	9.0	11.6	32.9	6.8	155
	16	1.9	5.2	3.2	11.0	5.8	9.0	4.5	7.7	12.3	7.7	21.6	6.8	155
	19	1.9	5.2	3.9	3.9	8.4	9.0	5.8	10.3	10.3	12.3	29.0	6.9	155
	22	2.6	5.8	6.5	10.3	4.5	4.5	6.5	7.7	9.0	9.7	32.9	6.7	155
TOTALS		24	5.0	5.8	7.7	6.8	7.2	6.0	7.5	9.4	10.9	31.8	6.8	1240

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	01	1.3	4.0	3.3	9.3	8.7	12.0	7.3	10.0	13.3	10.0	20.7	6.5	150
	04	2.0	.7	8.7	12.0	8.0	7.3	8.0	7.3	12.0	11.3	22.7	6.5	150
	07		3.3	4.7	9.3	5.3	10.0	5.3	7.3	12.0	19.3	23.3	7.0	150
	10	.7	2.7	6.7	4.0	10.0	11.3	8.0	14.0	12.7	11.3	18.7	6.6	150
	13		2.7	6.7	11.3	11.3	9.3	8.0	10.0	18.7	9.3	12.7	6.2	150
	16		1.3	6.0	5.3	9.3	8.7	10.7	16.0	13.3	13.3	16.0	6.7	150
	19	.7	2.0	4.7	5.3	10.0	8.7	8.0	9.3	16.0	18.0	17.3	6.9	150
	22	1.3	3.3	4.0	13.3	11.3	13.3	6.0	8.0	6.7	10.7	22.0	6.2	150
TOTALS		8	2.5	5.6	8.7	9.2	10.1	7.7	10.2	13.1	12.9	19.2	6.6	1200

NAVWEASERVCOM

SKY COVER

22701
STATION

MIDWAY ISLAND

STATION NAME

71-77

PERIOD

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
MAY	01	2.6	4.5	10.3	15.2	7.1	8.4	5.2	9.0	5.8	9.0	22.6	155
	04	3.9	2.6	7.7	13.5	11.6	7.7	5.2	9.0	11.6	8.4	18.7	155
	07	1.3	1.9	8.4	8.4	9.0	7.7	5.2	9.7	7.1	18.7	22.6	155
	10	3.2	3.9	7.1	11.6	5.8	7.1	6.5	9.0	13.5	13.5	18.7	155
	13	3.9	4.5	10.3	7.7	5.2	5.8	7.1	11.0	6.5	17.4	20.6	155
	16	2.6	4.5	6.5	8.4	8.4	11.0	9.7	8.4	8.4	9.7	22.6	155
	19	1.3	3.9	8.4	7.1	8.4	8.4	6.5	7.7	11.0	14.2	23.2	155
	22	5.2	5.2	11.0	14.2	7.1	4.5	4.5	9.0	11.0	5.2	23.2	155
TOTALS		3.0	3.9	8.7	10.8	7.8	7.6	6.2	9.1	9.4	12.0	21.5	6.2 1240

MONTH	UNIT
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RESEARCH

NAVWEASERVCOM

DATE _____ **MONTH** _____

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12

NAVWEASERVCOM

MONTH
AUG

5704 SKY COVER JAN 68

NAVWEASERVCOM

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	1.3	8.0	7.3	16.0	14.7	6.7	8.0	8.7	13.3	6.7	9.3	5.3	150
	04	1.3	3.3	10.0	22.7	14.0	12.7	6.0	9.3	8.0	3.3	9.3	5.0	150
	07	.7	2.7	7.3	16.7	16.0	8.0	6.0	11.3	8.0	12.0	11.3	5.7	150
	10		4.0	11.3	14.7	14.7	9.3	7.3	6.0	8.7	11.3	12.7	5.6	150
	13	.7	2.7	8.0	10.7	18.0	12.0	8.0	7.3	12.7	10.7	9.3	5.7	150
	16		1.3	6.0	15.3	12.7	12.0	6.7	15.3	8.0	13.3	7.3	5.9	150
	19		4.7	4.7	11.3	13.3	12.0	8.7	10.0	10.0	10.7	14.7	6.1	150
	22		6.0	13.3	15.3	12.7	10.7	6.0	10.0	8.7	6.0	11.3	5.3	150
TOTALS		5	4.1	8.5	15.3	14.5	10.4	7.3	6.7	9.7	9.3	10.7	5.6	1200

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	01	1.9	1.9	11.6	14.8	13.5	11.6	7.7	10.2	8.4	5.2	12.9	5.4	155
	04	.6	5.2	9.7	14.2	14.8	14.8	9.0	8.4	8.4	5.2	9.7	5.2	155
	07		1.3	5.8	14.8	11.6	5.2	9.7	12.3	11.0	14.8	13.5	6.3	155
	10	.6	1.9	9.7	14.2	14.2	9.7	5.2	10.2	9.7	12.9	11.6	5.8	155
	13	.6	5.2	11.0	9.7	15.5	11.0	7.7	8.4	8.4	9.7	12.9	5.6	155
	16	.6	2.6	5.2	14.3	11.7	12.3	9.7	7.8	17.5	9.1	9.1	5.9	154
	19	.6	2.6	7.8	7.1	13.6	8.4	8.4	10.4	16.2	11.7	13.0	6.2	154
	22	1.9	3.9	9.1	11.7	16.2	13.0	7.8	7.1	8.4	9.7	11.0	5.5	154
TOTALS		9	3.1	2.7	12.6	13.0	10.8	8.2	9.4	11.0	9.8	11.7	5.7	1237

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	01	1.3	4.0	4.0	8.0	12.0	8.7	8.0	12.7	11.3	11.3	18.7	6.4	150
	04	.7	4.7	6.0	6.7	12.0	9.3	7.3	8.7	16.0	6.7	22.0	6.4	150
	07	.7	.7	5.3	11.3	8.7	7.3	9.3	8.0	14.7	17.3	16.7	6.7	150
	10	.7	4.0	6.0	12.0	7.3	7.3	3.3	10.0	12.7	14.7	22.0	6.6	150
	13		3.3	8.0	7.3	9.3	6.7	6.0	12.0	14.0	14.7	18.7	6.6	150
	16	.7	2.0	3.3	8.7	8.7	10.0	9.3	10.0	14.0	18.0	15.3	6.7	150
	19	.7	4.0	2.0	6.7	9.3	9.3	7.3	8.0	15.3	12.0	25.3	7.0	150
	22	1.3	1.3	7.3	12.0	11.3	9.3	6.0	6.7	10.7	12.0	22.0	6.4	150
TOTALS		8	3.0	5.2	9.1	9.8	8.5	7.1	9.5	13.6	13.3	2.1	6.6	1200

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	6.5	5.9	5.2	10.5	9.8	7.8	4.0	11.1	7.2	5.9	25.5	6.0	153
	04	4.6	6.5	5.2	8.5	13.7	7.2	7.8	5.2	7.0	6.5	26.8	6.1	153
	07	2.0	5.9	7.2	9.8	6.5	5.2	7.8	10.5	13.1	11.8	20.3	6.4	153
	10	5.2	7.2	5.2	11.8	3.3	5.9	7.8	6.5	13.1	13.1	20.9	6.2	153
	13	5.9	5.2	7.2	8.5	7.8	7.8	5.2	7.8	13.7	7.0	22.9	6.1	153
	16	6.5	4.5	8.4	3.9	7.8	7.1	4.5	10.4	13.0	10.4	23.4	6.3	154
	19	3.2	7.1	6.5	1.3	6.5	13.0	5.2	9.7	13.0	12.3	22.1	6.5	154
	22	5.2	5.2	6.5	9.1	8.4	7.8	3.2	6.5	11.7	9.1	27.3	6.3	154
TOTALS		49	59	64	79	80	77	58	85	116	96	237	6.2	1227

AD-A062 040

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), MIDWAY --ETC(U)
JUL 78

F/6 4/2

UNCLASSIFIED

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4 OF 4
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11
JUL 78

Frame 1	Frame 2	Frame 3	Frame 4	Frame 5	Frame 6	Frame 7	Frame 8
Frame 9	Frame 10	Frame 11	Frame 12	Frame 13	Frame 14	Frame 15	Frame 16
Frame 17	Frame 18	Frame 19	Frame 20	Frame 21	Frame 22	Frame 23	Frame 24
Frame 25	Frame 26	Frame 27	Frame 28	Frame 29	Frame 30	Frame 31	Frame 32
Frame 33	Frame 34	Frame 35	Frame 36	Frame 37	Frame 38	Frame 39	Frame 40
Frame 41	Frame 42	Frame 43	Frame 44	Frame 45	Frame 46	Frame 47	Frame 48
Frame 49	Frame 50	Frame 51	Frame 52	Frame 53	Frame 54	Frame 55	Frame 56

END
DATE
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3 -79
DDC

SKY COVER

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22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

PERIOD

ALL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	2.4	4.1	8.1	9.2	9.1	8.2	8.5	8.5	11.0	8.9	22.1	6.3	1240
FEB		4.7	4.9	6.6	8.8	5.9	6.2	6.1	7.4	11.1	13.5	24.9	6.5	1128
MAR		2.4	5.0	5.8	7.7	6.3	7.2	6.0	7.5	9.4	10.9	31.8	6.8	1240
APR		.8	2.5	5.6	8.7	9.2	10.1	7.7	10.2	13.1	12.9	19.2	6.6	1200
MAY		3.0	3.9	8.7	10.8	7.8	7.6	6.2	9.1	9.4	12.0	21.5	6.2	1240
JUN		2.6	5.8	9.6	12.0	12.0	9.7	6.7	7.2	8.9	9.9	15.7	5.6	1200
JUL		1.2	2.6	7.9	15.1	17.5	12.2	7.6	10.0	9.8	8.4	7.8	5.4	1240
AUG		.5	3.1	8.2	16.9	16.0	12.7	9.2	8.6	9.1	8.2	7.5	5.4	1240
SEP		.5	4.1	8.5	15.3	14.5	10.4	7.3	9.7	9.7	9.3	10.7	5.6	1200
OCT		.9	3.1	8.7	12.6	13.9	10.8	8.2	9.4	11.0	9.8	11.7	5.7	1237
NOV		.8	3.0	5.2	9.1	9.8	8.5	7.1	9.5	13.6	13.3	20.1	6.6	1200
DEC		4.9	5.9	6.4	7.9	8.0	7.7	5.8	8.5	11.6	9.6	23.7	6.2	1227
TOTALS		2.1	4.0	7.4	11.2	10.9	9.3	7.2	8.8	10.6	10.6	18.1	6.1	14592

5704 SKY COVER JAN 68

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.
6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION 22701 MIDWAY ISLAND STATION NAME 1949-1977 YEARS MONTH JANUARY

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	66.3	19.1	69.9	21.1	76	24.4	76	24.4	62.8	17.1	54	12.2	1975
2	66.7	19.3	70.3	21.3	79	26.1	79	26.1	63.0	17.2	53	11.7	1975
3	66.8	19.3	70.3	21.3	79	26.1	79	26.1	63.2	17.3	57	13.9	1975
4	66.7	19.3	70.2	21.2	80	26.7	80	26.7	63.3	17.4	57	13.9	1975
5	66.0	18.9	69.3	20.7	80	26.7	80	26.7	62.8	17.1	58	14.4	1975
6	66.5	19.2	70.3	21.3	80	26.7	80	26.7	62.7	17.1	54	12.2	1975
7	66.9	19.4	70.8	21.6	78	25.6	78	25.6	63.1	17.3	54	12.2	1975
8	66.9	19.4	70.4	21.3	75	23.9	75	23.9	63.3	17.4	53	11.7	1975
9	66.3	19.1	70.4	21.3	76	24.4	76	24.4	62.3	16.8	52	11.1	1975
10	66.2	19.0	69.9	21.1	77	25.0	77	25.0	62.4	16.9	56	13.3	1975
11	65.2	18.4	69.1	20.6	76	24.4	76	24.4	61.3	16.3	53	11.7	1975
12	65.7	18.7	69.6	20.9	76	24.4	76	24.4	61.8	16.6	55	12.8	1975
13	66.4	19.1	70.1	21.2	77	25.0	77	25.0	62.7	17.1	56	13.3	1975
14	65.5	18.6	69.7	20.9	78	25.6	78	25.6	61.3	16.3	56	13.3	1975
15	65.1	18.4	68.7	20.4	74	23.3	74	23.3	61.4	16.3	52	11.1	1975
16	65.2	18.4	68.9	20.5	77	25.0	77	25.0	61.5	16.4	51	10.6	1975
17	65.2	18.4	68.5	20.3	76	24.4	76	24.4	61.9	16.6	53	11.7	1975
18	64.9	18.3	68.9	20.5	76	24.4	76	24.4	61.0	16.1	55	12.8	1975
19	65.4	18.6	69.6	20.9	77	25.0	77	25.0	61.1	16.2	54	12.2	1975
20	64.9	18.3	68.6	20.3	75	23.9	75	23.9	61.2	16.2	53	11.7	1975
21	64.1	17.8	68.3	20.2	75	23.9	75	23.9	59.8	15.4	52	11.1	1975
22	65.0	18.3	69.0	20.6	75	23.9	75	23.9	61.0	16.1	52	11.1	1975
23	65.3	18.5	69.1	20.6	75	23.9	75	23.9	61.6	16.4	53	11.7	1975
24	65.6	18.7	69.7	20.9	75	23.9	75	23.9	61.6	16.4	57	13.9	1975
25	65.0	18.3	68.6	20.3	74	23.3	74	23.3	61.4	16.3	52	11.1	1975
26	64.3	17.9	67.9	19.9	74	23.3	74	23.3	60.7	15.9	52	11.1	1975
27	65.1	18.4	68.7	20.4	74	23.3	74	23.3	61.6	16.4	55	12.8	1975
28	65.5	18.6	69.3	20.7	74	23.3	74	23.3	61.7	16.5	56	13.3	1975
29	64.7	18.2	68.4	20.2	73	22.8	73	22.8	60.9	16.1	51	10.6	1975
30	65.5	18.6	69.3	20.7	76	24.4	76	24.4	61.7	16.5	52	11.1	1975
31	65.1	18.4	68.8	20.4	75	23.9	75	23.9	61.3	16.3	53	11.7	1975
Monthly	65.6	18.7	69.4	20.8	80	26.7	80	26.7	61.8	16.6	51	10.6	1975

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET--SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22701

MIDWAY ISLAND

1949-1977

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE			EXTREME			AVERAGE			EXTREME			DATE
	° F	° C	° F	° C	° C	° F	° C	° C	° F	° C	° C	° F	° C	° C	
1	65.6	18.7	69.6	20.9	23.9	75	23.9	1967	61.7	16.5	55	12.8	1957		
2	65.8	18.8	69.6	20.9	25.0	77	25.0	1974	62.0	16.7	52	11.1	1977		
3	65.6	18.7	69.1	20.6	25.0	77	25.0	1974	62.1	16.7	51	10.6	1976		
4	65.8	18.8	69.4	20.8	23.9	75	23.9	1974*	62.1	16.7	56	13.3	1976*		
5	65.7	18.7	69.8	21.0	24.4	76	24.4	1969	61.7	16.5	55	12.8	1977		
6	65.5	18.6	69.3	20.7	24.4	76	24.4	1977*	61.8	16.6	53	11.7	1976		
7	64.8	18.2	68.4	20.2	23.9	75	23.9	1974	61.1	16.2	56	13.3	1977		
8	65.2	18.4	69.2	20.7	25.6	78	25.6	1974	61.2	16.2	56	13.3	1970*		
9	65.2	18.4	69.1	20.6	26.7	80	26.7	1974	61.3	16.3	55	12.8	1977		
10	65.2	18.4	69.1	20.6	26.1	79	26.1	1974	61.2	16.2	54	12.2	1977		
11	65.6	18.7	69.7	20.9	26.7	80	26.7	1974	61.4	16.3	55	12.8	1954		
12	65.9	18.8	69.6	20.9	26.7	80	26.7	1974	62.2	16.8	55	12.8	1953		
13	66.3	19.1	70.2	21.2	26.7	80	26.7	1974	62.4	16.9	53	11.7	1977		
14	65.8	18.8	69.7	20.9	27.2	81	27.2	1974	62.0	16.7	50	10.0	1977		
15	65.6	18.7	69.4	20.8	23.3	74	23.3	1964*	61.8	16.6	54	12.2	1968*		
16	66.1	18.9	69.7	20.9	24.4	76	24.4	1977	62.6	17.0	54	12.2	1965		
17	66.4	19.1	70.3	21.3	23.9	75	23.9	1975*	62.5	16.9	56	13.3	1968		
18	65.8	18.8	69.8	21.0	23.9	75	23.9	1975*	61.8	16.6	53	11.7	1956		
19	65.7	18.7	69.9	21.1	24.4	76	24.4	1974	61.6	16.4	53	11.7	1958		
20	65.6	18.7	69.4	20.8	24.4	76	24.4	1974*	61.8	16.6	52	11.1	1977		
21	65.0	18.3	68.9	20.5	23.9	75	23.9	1971*	61.1	16.2	53	11.7	1977		
22	65.2	18.4	68.9	20.5	24.4	76	24.4	1975	61.5	16.4	56	13.3	1970*		
23	66.3	19.1	70.0	21.1	25.0	77	25.0	1969	62.6	17.0	56	13.3	1958		
24	65.9	18.8	69.6	20.9	25.0	77	25.0	1975	62.3	16.8	57	13.9	1968*		
25	65.7	18.7	69.5	20.8	23.9	75	23.9	1950	62.0	16.7	56	13.3	1977		
26	65.5	18.6	69.3	20.7	23.9	75	23.9	1973	61.8	16.6	54	12.2	1977		
27	66.2	19.0	70.1	21.2	24.4	76	24.4	1964	62.2	16.8	56	13.3	1958		
28	66.7	19.3	70.2	21.2	24.4	76	24.4	1974*	63.1	17.3	56	13.3	1976		
29	62.9	17.2	66.4	19.1	24.4	76	24.4	1964	59.3	15.2	54	12.2	1976*		
30															
31															
Monthly	65.7	18.7	69.5	20.8	27.2	81	27.2	1974	61.9	16.6	50	10.0	1977		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22701

MIDWAY ISLAND

STATION

STATION NAME

1949-1977

YEARS

MARCH

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C				
1	65.6	18.7	69.6	20.9	77	25.0	77	25.0	1973		61.6	16.4	52	11.1	1968			
2	65.2	18.4	68.9	20.5	79	26.1	79	26.1	1970		61.5	16.4	52	11.1	1951			
3	65.1	18.4	68.7	20.4	79	26.1	79	26.1	1973		61.6	16.4	53	11.7	1951			
4	65.6	18.7	69.2	20.7	79	26.1	79	26.1	1973		62.0	16.7	55	12.8	1951			
5	65.9	18.8	69.6	20.9	79	26.1	79	26.1	1976		62.2	16.8	57	13.9	1967*			
6	66.7	19.3	70.3	21.3	79	26.1	79	26.1	1973*		63.0	17.2	58	14.4	1964*			
7	65.8	18.8	69.1	20.6	79	26.1	79	26.1	1973		62.6	17.0	55	12.8	1951			
8	66.3	19.1	69.8	21.0	80	26.7	80	26.7	1971		62.8	17.1	55	12.8	1951			
9	66.1	18.9	69.7	20.9	78	25.6	78	25.6	1973		62.6	17.0	57	13.9	1977*			
10	65.9	18.8	70.0	21.1	74	23.3	74	23.3	1975*		61.7	16.5	55	12.8	1977			
11	66.6	19.2	70.0	21.1	76	24.4	76	24.4	1973*		63.1	17.3	56	13.3	1951			
12	66.4	19.1	69.8	21.0	77	25.0	77	25.0	1971		63.1	17.3	55	12.8	1951			
13	66.5	19.2	70.1	21.2	77	25.0	77	25.0	1975		62.9	17.2	58	14.4	1974*			
14	66.5	19.2	70.1	21.2	77	25.0	77	25.0	1973		62.9	17.2	55	12.8	1967			
15	66.9	19.4	70.7	21.5	79	26.1	79	26.1	1973		63.0	17.2	52	11.1	1967			
16	67.0	19.4	70.9	21.6	81	27.2	81	27.2	1975		63.0	17.2	56	13.3	1977*			
17	66.3	19.1	70.1	21.2	79	26.1	79	26.1	1973		62.5	16.9	56	13.3	1974*			
18	67.0	19.4	70.6	21.4	80	26.7	80	26.7	1973		63.3	17.4	56	13.3	1967			
19	66.3	19.1	69.9	21.1	78	25.6	78	25.6	1973		62.8	17.1	55	12.8	1967			
20	66.3	19.1	70.0	21.1	81	27.2	81	27.2	1973		62.6	17.0	57	13.9	1967			
21	66.3	19.1	69.7	20.9	77	25.0	77	25.0	1973*		62.9	17.2	57	13.9	1974*			
22	66.3	19.1	70.0	21.1	77	25.0	77	25.0	1973		62.7	17.1	52	11.1	1974			
23	66.9	19.4	70.3	21.3	76	24.4	76	24.4	1977		63.5	17.5	58	14.4	1974*			
24	67.1	19.5	70.8	21.6	76	24.4	76	24.4	1976*		63.4	17.4	52	11.1	1977			
25	66.9	19.4	70.8	21.6	77	25.0	77	25.0	1973		63.0	17.2	51	10.6	1977			
26	66.5	19.2	70.1	21.2	80	26.7	80	26.7	1973		62.9	17.2	51	10.6	1975			
27	66.8	19.3	70.4	21.3	80	26.7	80	26.7	1973		63.2	17.3	55	12.8	1975			
28	67.0	19.4	70.7	21.5	79	26.1	79	26.1	1973		63.3	17.4	56	13.3	1977*			
29	67.1	19.5	70.8	21.6	76	24.4	76	24.4	1973*		63.4	17.4	57	13.9	1977			
30	66.9	19.4	70.8	21.6	77	25.0	77	25.0	1973		63.1	17.3	57	13.9	1972			
31	66.8	19.3	70.4	21.3	78	25.6	78	25.6	1973		63.2	17.3	56	13.3	1977			
Monthly	66.4	19.1	70.1	21.2	81	27.2	81	27.2	1975*		62.8	17.1	51	10.6	1977*			

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

22701

MIDWAY ISLAND

1949-1977

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	66.5	19.2	70.6	21.4	78	25.6	62.5	16.9	55	12.8	1977*
2	66.5	19.2	69.9	21.1	78	25.6	63.0	17.2	56	13.3	1977
3	66.5	19.2	70.2	21.2	77	25.0	62.8	17.1	55	12.8	1977
4	67.0	19.4	70.8	21.6	78	25.6	63.2	17.3	57	13.9	1977
5	67.3	19.6	71.1	21.7	79	26.1	63.5	17.5	59	15.0	1962*
6	67.3	19.6	71.0	21.7	77	25.0	63.7	17.6	57	13.9	1975
7	66.6	19.2	70.0	21.1	76	24.4	63.2	17.3	56	13.3	1975
8	66.8	19.3	70.5	21.4	77	25.0	63.2	17.3	57	13.9	1975
9	67.3	19.6	71.1	21.7	77	25.0	63.6	17.6	59	15.0	1972*
10	67.3	19.6	71.2	21.8	77	25.0	63.4	17.4	53	11.7	1961
11	67.3	19.6	71.0	21.7	78	25.6	63.6	17.6	53	11.7	1961
12	67.8	19.9	71.4	21.9	79	26.1	64.2	17.9	57	13.9	1961
13	67.5	19.7	71.1	21.7	79	26.1	63.8	17.7	57	13.9	1965
14	68.0	20.0	71.7	22.1	79	26.1	64.3	17.9	56	13.3	1961
15	67.3	19.6	71.1	21.7	79	26.1	63.6	17.6	55	12.8	1961
16	67.1	19.5	70.6	21.4	79	26.1	63.6	17.6	56	13.3	1961
17	67.4	19.7	71.3	21.8	78	25.6	63.6	17.6	57	13.9	1961
18	67.4	19.7	71.0	21.7	77	25.0	63.9	17.7	59	15.0	1961
19	67.7	19.8	71.2	21.8	77	25.0	64.1	17.8	59	15.0	1957
20	67.7	19.8	71.1	21.7	77	25.0	64.2	17.9	61	16.1	1965*
21	67.9	19.9	71.3	21.8	78	25.6	64.5	18.1	61	16.1	1965*
22	68.4	20.2	72.2	22.3	78	25.6	64.7	18.2	60	15.6	1964*
23	68.5	20.3	72.0	22.2	78	25.6	65.1	18.4	60	15.6	1962
24	69.1	20.6	72.9	22.7	78	25.6	65.3	18.5	57	13.9	1959
25	69.2	20.7	72.6	22.6	78	25.6	65.8	18.8	60	15.6	1976*
26	69.2	20.7	72.9	22.7	81	27.2	65.4	18.6	59	15.0	1974
27	69.1	20.6	72.9	22.7	78	25.6	65.3	18.5	58	14.4	1974
28	68.9	20.5	72.7	22.6	82	27.8	65.2	18.4	59	15.0	1962
29	68.8	20.4	72.5	22.5	79	26.1	65.1	18.4	58	14.4	1955
30	69.7	20.9	73.1	22.8	79	26.1	66.2	19.0	61	16.1	1958
31											
Monthly	67.8	19.9	71.4	21.9	82	27.8	64.1	17.8	53	11.7	1961

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

5100

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22701

MIDWAY ISLAND

1949-1977

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	70.1	21.2	73.6	81	66.6	61	1971
2	69.9	21.1	73.7	81	66.2	59	1973
3	69.5	20.8	73.0	81	66.0	60	1973
4	69.9	21.1	73.8	79	66.0	60	1974*
5	69.9	21.1	73.6	79	66.2	60	1973*
6	69.7	20.9	73.4	79	66.0	61	1976*
7	70.4	21.3	73.8	79	67.0	61	1975*
8	70.8	21.6	74.5	80	67.1	61	1963
9	70.8	21.6	74.3	79	67.3	63	1973*
10	70.5	21.4	74.2	80	66.6	61	1969
11	70.4	21.3	74.1	79	66.6	61	1953
12	70.2	21.2	73.9	84	66.5	61	1971
13	70.3	21.3	74.0	79	66.6	61	1975
14	70.5	21.4	74.2	79	66.6	62	1976*
15	71.1	21.7	75.1	83	67.2	61	1971
16	71.2	21.8	75.0	81	67.4	61	1975
17	71.6	22.0	75.2	81	67.9	63	1969
18	71.4	21.9	75.1	81	67.7	60	1971
19	71.6	22.0	75.2	81	68.0	64	1969
20	71.6	22.0	75.3	83	68.0	62	1970
21	71.7	22.1	75.2	80	68.2	62	1977*
22	72.0	22.2	75.7	83	68.4	62	1973
23	72.6	22.6	76.2	83	68.9	63	1973*
24	72.3	22.4	75.9	83	68.7	64	1950
25	72.4	22.4	76.2	85	68.7	64	1971
26	72.3	22.4	75.8	82	68.8	64	1973*
27	73.1	22.8	77.0	86	69.2	65	1970
28	73.3	22.9	77.2	84	69.4	64	1950
29	73.4	23.0	77.1	84	69.7	64	1971
30	73.7	23.2	77.3	83	70.1	66	1971*
31	73.6	23.1	77.4	82	69.7	66	1976*
Monthly	71.3	21.8	75.0	86	67.7	59	1970

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

22701

MIDWAY ISLAND

1949-1977

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C	° F	° C		
1	73.8	23.2	77.7	25.4	82	27.8	69.9	21.1	1975*	1975*	70.4	21.3	65	18.3	65	18.3	1962	1962
2	74.5	23.6	78.5	25.8	84	28.9	70.4	21.3	1975	1975	70.5	21.4	62	16.7	62	16.7	1962	1962
3	74.4	23.6	78.3	25.7	82	27.8	70.5	21.4	1974*	1974*	70.4	21.3	65	18.3	65	18.3	1968	1968
4	74.4	23.6	78.4	25.8	84	28.9	70.4	21.3	1975	1975	70.4	21.3	65	18.3	65	18.3	1951	1951
5	73.9	23.3	77.8	25.4	83	28.3	70.1	21.2	1975	1975	70.1	21.2	61	16.1	61	16.1	1974	1974
6	73.9	23.3	77.3	25.2	81	27.2	70.4	21.3	1973*	1973*	70.4	21.3	63	17.2	63	17.2	1974	1974
7	74.1	23.4	77.9	25.5	83	28.3	70.4	21.3	1960	1960	70.4	21.3	62	16.7	62	16.7	1976	1976
8	74.3	23.5	78.2	25.7	83	28.3	70.5	21.4	1970	1970	70.5	21.4	63	17.2	63	17.2	1968*	1968*
9	75.0	23.9	79.2	26.2	85	29.4	70.8	21.6	1970	1970	70.8	21.6	64	17.8	64	17.8	1968	1968
10	75.1	23.9	79.1	26.2	83	28.3	71.0	21.7	1975	1975	71.0	21.7	65	18.3	65	18.3	1959	1959
11	75.2	24.0	79.0	26.1	82	27.8	71.4	21.9	1977*	1977*	71.4	21.9	64	17.8	64	17.8	1964	1964
12	75.7	24.3	79.6	26.4	83	28.3	71.9	22.2	1975*	1975*	71.9	22.2	65	18.3	65	18.3	1964	1964
13	75.9	24.4	79.9	26.6	84	28.9	71.9	22.2	1955	1955	71.9	22.2	69	20.6	69	20.6	1962*	1962*
14	76.2	24.6	80.1	26.7	85	29.4	72.3	22.4	1970	1970	72.3	22.4	69	20.6	69	20.6	1969	1969
15	75.8	24.3	79.5	26.4	85	29.4	72.1	22.3	1977	1977	72.1	22.3	68	20.0	68	20.0	1969*	1969*
16	75.8	24.3	79.6	26.4	86	30.0	72.0	22.2	1970	1970	72.0	22.2	68	20.0	68	20.0	1966*	1966*
17	76.1	24.5	79.5	26.4	85	29.4	72.6	22.6	1960	1960	72.6	22.6	67	19.4	67	19.4	1971	1971
18	76.9	24.9	80.6	27.0	84	28.9	73.1	22.8	1977*	1977*	73.1	22.8	67	19.4	67	19.4	1971*	1971*
19	76.8	24.9	80.6	27.0	85	29.4	73.0	22.8	1955	1955	73.0	22.8	69	20.6	69	20.6	1951	1951
20	76.8	24.9	80.2	26.8	85	29.4	73.5	23.1	1977	1977	73.5	23.1	68	20.0	68	20.0	1951	1951
21	77.1	25.1	81.0	27.2	85	29.4	73.1	22.8	1977*	1977*	73.1	22.8	66	18.9	66	18.9	1958	1958
22	76.9	24.9	80.7	27.1	87	30.6	73.1	22.8	1970	1970	73.1	22.8	67	19.4	67	19.4	1951	1951
23	77.1	25.1	80.7	27.1	86	30.0	73.4	23.0	1970	1970	73.4	23.0	69	20.6	69	20.6	1969*	1969*
24	77.0	25.0	80.7	27.1	88	31.1	73.3	22.9	1970	1970	73.3	22.9	69	20.6	69	20.6	1969*	1969*
25	77.1	25.1	80.6	27.0	86	30.0	73.5	23.1	1970	1970	73.5	23.1	68	20.0	68	20.0	1969*	1969*
26	77.1	25.1	80.7	27.1	86	30.0	73.4	23.0	1970	1970	73.4	23.0	68	20.0	68	20.0	1976	1976
27	77.1	25.1	80.6	27.0	86	30.0	73.5	23.1	1970	1970	73.5	23.1	69	20.6	69	20.6	1969*	1969*
28	77.1	25.1	80.8	27.1	87	30.6	73.4	23.0	1970	1970	73.4	23.0	69	20.6	69	20.6	1951	1951
29	77.5	25.3	80.9	27.2	85	29.4	74.0	23.3	1975	1975	74.0	23.3	68	20.0	68	20.0	1951	1951
30	77.9	25.5	81.3	27.4	85	29.4	74.5	23.6	1957	1957	74.5	23.6	70	21.1	70	21.1	1967*	1967*
31																		
Monthly	75.9	24.4	79.6	26.4	88	31.1	72.1	22.3	1970	1970	72.1	22.3	61	16.1	61	16.1	1974	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

2

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22701
STATION

MIDWAY ISLAND
STATION NAME

1949-1977
YEARS

JULY
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	° F	° C	AVERAGE ° F	° C	EXTREME ° F	AVERAGE ° F	° C	EXTREME ° F	° C
1	77.7	25.4	81.4	27.4	85	73.9	23.3	71	21.7
2	77.9	25.5	81.7	27.6	85	74.2	23.4	69	20.6
3	77.8	25.4	81.4	27.4	85	74.2	23.4	70	21.1
4	77.9	25.5	81.7	27.6	88	74.1	23.4	67	19.4
5	78.1	25.6	81.7	27.6	86	74.4	23.6	67	19.4
6	77.9	25.5	81.5	27.5	86	74.4	23.6	71	21.7
7	78.1	25.6	81.8	27.7	85	74.4	23.6	71	21.7
8	77.9	25.5	81.4	27.4	85	74.3	23.5	70	21.1
9	78.1	25.6	81.6	27.6	85	74.6	23.7	68	20.0
10	78.2	25.7	82.0	27.8	86	74.4	23.6	69	20.6
11	77.6	25.3	81.5	27.5	85	73.7	23.2	66	18.9
12	78.1	25.6	81.6	27.6	85	74.5	23.6	72	22.2
13	78.0	25.6	81.8	27.7	85	74.2	23.4	67	19.4
14	78.2	25.7	81.9	27.7	85	74.5	23.6	68	20.0
15	78.2	25.7	82.1	27.8	88	74.3	23.5	71	21.7
16	77.8	25.4	81.7	27.6	86	73.9	23.3	66	18.9
17	77.2	25.1	81.3	27.4	87	73.2	22.9	63	17.2
18	77.8	25.4	81.6	27.6	85	74.0	23.3	68	20.0
19	77.8	25.4	81.4	27.4	86	74.2	23.4	68	20.0
20	78.0	25.6	81.7	27.6	85	74.4	23.6	72	22.2
21	77.8	25.4	81.6	27.6	85	74.1	23.4	71	21.7
22	77.7	25.4	81.9	27.7	85	73.6	23.1	70	21.1
23	77.5	25.3	81.4	27.4	85	73.7	23.2	69	20.6
24	77.5	25.3	81.4	27.4	85	73.6	23.1	68	20.0
25	77.8	25.4	81.7	27.6	86	74.0	23.3	68	20.0
26	77.9	25.5	81.7	27.6	87	74.0	23.3	70	21.1
27	77.9	25.5	81.8	27.7	86	74.1	23.4	70	21.1
28	77.5	25.3	81.2	27.3	86	73.8	23.2	70	21.1
29	77.6	25.3	81.5	27.5	85	73.7	23.2	68	20.0
30	77.8	25.4	81.7	27.6	88	73.8	23.2	67	19.4
31	77.8	25.4	81.7	27.6	87	74.0	23.3	68	20.0
Month-ly	77.8	25.4	81.6	27.6	88	74.1	23.4	63	17.2

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMPERATURES MAR 1978

22701 MIDWAY ISLAND

1949-1977

STATION NAME

MONTH

YEARS

STATION NAME

STATION

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °F	EXTREME °C	AVERAGE °F	EXTREME °F	EXTREME °C	
1	78.0	25.6	81.7	85	29.4	74.2	70	21.1	1963*
2	78.4	25.8	82.0	85	29.4	74.8	71	21.7	1967*
3	78.2	25.7	81.9	88	31.1	74.6	70	21.1	1967
4	78.5	25.8	82.2	86	30.0	74.8	70	21.1	1951
5	78.2	25.7	82.0	85	29.4	74.4	69	20.6	1955
6	78.4	25.8	82.1	85	29.4	74.7	70	21.1	1971
7	78.6	25.9	82.4	86	30.0	74.9	69	20.6	1955
8	78.6	25.9	82.4	86	30.0	74.8	68	20.0	1977
9	79.0	26.1	82.7	87	30.6	75.3	71	21.7	1977
10	78.2	25.7	81.9	86	30.0	74.5	69	20.6	1970
11	78.2	25.7	82.1	85	29.4	74.3	68	20.0	1964
12	78.6	25.9	82.4	86	30.0	74.8	69	20.6	1973
13	78.6	25.9	82.4	89	31.7	74.7	68	20.0	1957
14	79.0	26.1	82.7	85	29.4	75.2	70	21.1	1973*
15	78.4	25.8	82.4	85	29.4	74.5	70	21.1	1974*
16	78.4	25.8	82.5	86	30.0	74.3	70	21.1	1969
17	78.7	25.9	82.7	86	30.0	74.8	70	21.1	1960
18	79.1	26.2	82.6	87	30.6	75.5	71	21.7	1976
19	78.8	26.0	82.6	87	30.6	75.1	70	21.1	1966*
20	79.0	26.1	83.1	87	30.6	74.8	69	20.6	1976
21	78.5	25.8	82.4	86	30.0	74.6	70	21.1	1976
22	78.9	26.1	83.1	87	30.6	74.7	64	17.8	1966
23	78.9	26.1	82.9	85	29.4	74.9	68	20.0	1975
24	79.3	26.3	83.2	86	30.0	75.3	69	20.6	1969
25	79.1	26.2	82.9	85	29.4	75.3	68	20.0	1975
26	79.0	26.1	82.8	86	30.0	75.1	70	21.1	1969
27	79.6	26.4	83.5	87	30.6	75.7	71	21.7	1974
28	79.4	26.3	83.2	87	30.6	75.7	72	22.2	1976
29	79.4	26.3	83.0	86	30.0	75.8	69	20.6	1973*
30	79.1	26.2	82.8	86	30.0	75.5	72	22.2	1974*
31	79.1	26.2	82.9	87	30.6	75.2	70	21.1	1955
Monthly	78.7	25.9	82.6	89	31.7	74.9	64	17.8	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

STATION
22701

MIDWAY ISLAND

STATION NAME

1949-1977

YEARS

SEPTEMBER

MONTH

DAY	MEAN TEMP				MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		EXTREME		AVERAGE		EXTREME		AVERAGE		EXTREME	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	78.9	26.1	82.9	28.3	87	30.6	1974	75.0	23.9	72	22.2	1977*
2	79.4	26.3	83.6	28.7	88	31.1	1962	75.2	24.0	68	20.0	1977
3	79.5	26.4	83.4	28.6	88	31.1	1958	75.5	24.2	72	22.2	1977*
4	79.3	26.3	83.0	28.3	87	30.6	1976	75.6	24.2	71	21.7	1976*
5	79.6	26.4	83.5	28.6	87	30.6	1976	75.6	24.2	67	19.4	1973
6	79.1	26.2	83.5	28.6	87	30.6	1976*	74.8	23.8	66	18.9	1973
7	79.2	26.2	83.0	28.3	87	30.6	1976	75.4	24.1	71	21.7	1966
8	78.8	26.0	82.9	28.3	87	30.6	1970	74.7	23.7	70	21.1	1976*
9	79.0	26.1	83.0	28.3	86	30.0	1975*	74.9	23.8	70	21.1	1966
10	79.2	26.2	83.2	28.4	85	29.4	1972*	75.2	24.0	70	21.1	1977*
11	79.2	26.2	82.9	28.3	86	30.0	1967	75.5	24.2	72	22.2	1975
12	79.0	26.1	82.7	28.2	86	30.0	1960	75.3	24.1	70	21.1	1975
13	78.9	26.1	82.8	28.2	87	30.6	1958	75.1	23.9	70	21.1	1975
14	78.9	26.1	82.8	28.2	87	30.6	1958	75.0	23.9	70	21.1	1975*
15	78.8	26.0	82.3	27.9	86	30.0	1968	75.3	24.1	70	21.1	1977*
16	78.8	26.0	82.7	28.2	86	30.0	1968*	74.9	23.8	68	20.0	1972
17	78.5	25.8	82.7	28.2	87	30.6	1977*	74.2	23.4	69	20.6	1972
18	78.4	25.8	82.4	28.0	86	30.0	1973	74.5	23.6	69	20.6	1972
19	78.2	25.7	82.3	27.9	88	31.1	1966	74.1	23.4	70	21.1	1977*
20	78.2	25.7	81.9	27.7	88	31.1	1966	74.4	23.6	68	20.0	1977
21	78.1	25.6	82.4	28.0	88	31.1	1964	73.9	23.3	64	17.8	1977
22	78.5	25.8	82.5	28.1	89	31.7	1966	74.5	23.6	68	20.0	1977
23	78.5	25.8	82.5	28.1	88	31.1	1967	74.5	23.6	68	20.0	1964
24	78.6	25.9	82.3	27.9	86	30.0	1977	74.9	23.8	71	21.7	1973*
25	77.8	25.4	81.6	27.6	86	30.0	1974	74.0	23.3	69	20.6	1955
26	77.9	25.5	81.8	27.7	85	29.4	1976*	74.0	23.3	67	19.4	1955
27	77.8	25.4	81.6	27.6	85	29.4	1966	74.0	23.3	68	20.0	1955
28	77.4	25.2	81.3	27.4	85	29.4	1973	73.4	23.0	68	20.0	1955
29	77.4	25.2	81.2	27.3	86	30.0	1967	73.6	23.1	68	20.0	1977
30	77.0	25.0	80.4	26.9	86	30.0	1967	73.6	23.1	68	20.0	1960
31												
Monthly	78.6	25.9	82.5	28.1	89	31.7	1966	74.7	23.7	64	17.8	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22701

MIDWAY ISLAND

1949-1977

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	
1	77.3	25.2	80.9	27.2	88	31.1	64	17.8	1977
2	77.0	25.0	81.0	27.2	88	31.1	67	19.4	1957
3	77.0	25.0	80.6	27.0	88	31.1	69	20.6	1968
4	76.6	24.8	80.2	26.8	87	30.6	65	18.3	1973
5	76.5	24.7	80.5	26.9	87	30.6	65	18.3	1973
6	76.6	24.8	80.4	26.9	84	28.9	66	18.9	1973
7	76.6	24.8	80.9	27.2	85	29.4	64	17.8	1961
8	76.6	24.8	80.6	27.0	86	30.0	62	16.7	1961
9	76.2	24.6	79.6	26.4	83	28.3	66	18.9	1973
10	76.1	24.5	79.6	26.4	85	29.4	65	18.3	1973
11	75.7	24.3	79.4	26.3	84	28.9	62	16.7	1956
12	75.6	24.2	79.3	26.3	84	28.9	61	16.1	1971
13	76.1	24.5	79.8	26.6	85	29.4	64	17.8	1971
14	75.8	24.3	79.5	26.4	85	29.4	64	17.8	1971
15	76.0	24.4	79.5	26.4	85	29.4	67	19.4	1971
16	75.0	23.9	78.8	26.0	84	28.9	65	18.3	1952
17	75.1	23.9	78.6	25.9	84	28.9	66	18.9	1976*
18	75.5	24.2	78.9	26.1	84	28.9	68	20.0	1969*
19	75.4	24.1	78.8	26.0	83	28.3	66	18.9	1974*
20	75.2	24.0	79.0	26.1	85	29.4	64	17.8	1974
21	75.4	24.1	79.1	26.2	83	28.3	62	16.7	1974
22	75.3	24.1	78.9	26.1	84	28.9	67	19.4	1972
23	75.3	24.1	78.9	26.1	83	28.3	67	19.4	1968
24	75.1	23.9	78.9	26.1	82	27.8	65	18.3	1972
25	75.1	23.9	78.8	26.0	83	28.3	65	18.3	1972
26	74.8	23.8	78.3	25.7	83	28.3	65	18.3	1957
27	74.1	23.4	77.7	25.4	83	28.3	60	15.6	1957
28	73.6	23.1	76.9	24.9	82	27.8	66	18.9	1973*
29	73.4	23.0	77.2	25.1	84	28.9	63	17.2	1961
30	73.7	23.2	77.3	25.2	85	29.4	62	16.7	1961
31	73.8	23.2	77.5	25.3	87	30.6	63	17.2	1961
Monthly	75.5	24.2	79.2	26.2	88	31.1	60	15.6	1957

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 22701 MIDWAY ISLAND STATION NAME 1949-1977 YEARS NOVEMBER MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	74.2	23.4	78.0	25.6	84	28.9	84	28.9	70.3	21.3	65	18.3	1977
2	74.1	23.4	78.0	25.6	83	28.3	83	28.3	70.2	21.2	65	18.3	1977
3	73.7	23.2	77.2	25.1	83	28.3	83	28.3	70.2	21.2	64	17.8	1973*
4	74.3	23.5	78.2	25.7	84	28.9	84	28.9	70.3	21.3	65	18.3	1969
5	74.3	23.5	77.8	25.4	83	28.3	83	28.3	70.7	21.5	65	18.3	1966
6	73.6	23.1	77.1	25.1	84	28.9	84	28.9	70.1	21.2	64	17.8	1968
7	73.3	22.9	76.7	24.8	87	30.6	87	30.6	69.9	21.1	61	16.1	1968
8	73.2	22.9	76.5	24.7	86	30.0	86	30.0	69.9	21.1	62	16.7	1959
9	73.2	22.9	76.4	24.7	82	27.8	82	27.8	70.1	21.2	60	15.6	1959
10	73.0	22.8	76.6	24.8	84	28.9	84	28.9	69.4	20.8	62	16.7	1957
11	72.6	22.6	76.1	24.5	83	28.3	83	28.3	69.1	20.6	63	17.2	1959
12	72.9	22.7	76.6	24.8	84	28.9	84	28.9	69.2	20.7	62	16.7	1957
13	72.2	22.3	76.2	24.6	84	28.9	84	28.9	68.1	20.1	60	15.6	1973
14	72.0	22.2	75.5	24.2	82	27.8	82	27.8	68.6	20.3	62	16.7	1976
15	71.9	22.2	75.3	24.1	82	27.8	82	27.8	68.4	20.2	60	15.6	1976
16	72.7	22.6	76.5	24.7	87	30.6	87	30.6	68.9	20.5	63	17.2	1976*
17	72.2	22.3	75.8	24.3	81	27.2	81	27.2	68.6	20.3	63	17.2	1976
18	72.1	22.3	76.0	24.4	82	27.8	82	27.8	68.2	20.1	62	16.7	1976
19	71.6	22.0	75.3	24.1	80	26.7	80	26.7	67.8	19.9	63	17.2	1968*
20	71.5	21.9	75.1	23.9	80	26.7	80	26.7	68.0	20.0	61	16.1	1968
21	70.9	21.6	74.7	23.7	79	26.1	79	26.1	67.2	19.6	58	14.4	1968
22	71.2	21.8	74.7	23.7	79	26.1	79	26.1	67.8	19.9	62	16.7	1968*
23	71.1	21.7	74.6	23.7	80	26.7	80	26.7	67.6	19.8	59	15.0	1968
24	70.7	21.5	74.2	23.4	80	26.7	80	26.7	67.1	19.5	60	15.6	1964
25	70.6	21.4	73.8	23.2	79	26.1	79	26.1	67.4	19.7	59	15.0	1968
26	70.0	21.1	73.5	23.1	79	26.1	79	26.1	66.4	19.1	55	12.8	1968
27	70.4	21.3	74.3	23.5	80	26.7	80	26.7	66.4	19.1	58	14.4	1968
28	70.1	21.2	73.3	22.9	79	26.1	79	26.1	66.9	19.4	59	15.0	1954
29	69.8	21.0	73.3	22.9	79	26.1	79	26.1	66.2	19.0	55	12.8	1977
30	69.9	21.1	73.3	22.9	80	26.7	80	26.7	66.5	19.2	56	13.3	1977
31													
Monthly	72.1	22.3	75.7	24.3	87	30.6	87	30.6	68.5	20.3	55	12.8	1977*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMPERATURES MAR 1978

22701
STATION

MIDWAY ISLAND
STATION NAME

1949-1977
YEARS

DECEMBER
MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	69.9	21.1	73.4	23.0	80	26.7	1976	1976	66.4	19.1	58	14.4	1977	1977
2	69.7	20.9	73.3	22.9	78	25.6	1970*	1970*	66.0	18.9	57	13.9	1977	1977
3	69.5	20.8	73.0	22.8	78	25.6	1951	1951	66.0	18.9	59	15.0	1977	1977
4	69.9	21.1	73.4	23.0	79	26.1	1975*	1975*	66.3	19.1	59	15.0	1963*	1963*
5	69.6	20.9	73.1	22.8	79	26.1	1974	1974	66.1	18.9	59	15.0	1956	1956
6	69.2	20.7	73.3	22.9	79	26.1	1951	1951	65.1	18.4	55	12.8	1971	1971
7	69.1	20.6	72.6	22.6	80	26.7	1974	1974	65.5	18.6	57	13.9	1971	1971
8	67.9	19.9	71.3	21.8	80	26.7	1974	1974	64.6	18.1	55	12.8	1971*	1971*
9	68.1	20.1	71.7	22.1	77	25.0	1973	1973	64.5	18.1	55	12.8	1963	1963
10	69.5	20.8	73.3	22.9	80	26.7	1973*	1973*	65.7	18.7	58	14.4	1963	1963
11	69.6	20.9	73.6	23.1	79	26.1	1977	1977	65.7	18.7	56	13.3	1971	1971
12	68.6	20.3	72.5	22.5	79	26.1	1974	1974	64.8	18.2	55	12.8	1971	1971
13	68.3	20.2	72.0	22.2	79	26.1	1969	1969	64.6	18.1	58	14.4	1971*	1971*
14	68.4	20.2	72.1	22.3	77	25.0	1973*	1973*	64.7	18.2	60	15.6	1976	1976
15	68.2	20.1	71.7	22.1	78	25.6	1974*	1974*	64.7	18.2	53	11.7	1967	1967
16	67.9	19.9	71.8	22.1	80	26.7	1974	1974	64.1	17.8	58	14.4	1972	1972
17	67.3	19.6	70.7	21.5	80	26.7	1974	1974	63.9	17.7	52	11.1	1972	1972
18	68.2	20.1	72.0	22.2	79	26.1	1976*	1976*	64.3	17.9	58	14.4	1964	1964
19	68.6	20.3	72.2	22.3	77	25.0	1973*	1973*	64.9	18.3	61	16.1	1971*	1971*
20	68.2	20.1	72.0	22.2	78	25.6	1975*	1975*	64.3	17.9	60	15.6	1971*	1971*
21	67.8	19.9	71.3	21.8	79	26.1	1974	1974	64.3	17.9	58	14.4	1965	1965
22	67.8	19.9	71.9	22.2	80	26.7	1970	1970	63.7	17.6	55	12.8	1971	1971
23	68.1	20.1	72.0	22.2	77	25.0	1975*	1975*	64.2	17.9	56	13.3	1973*	1973*
24	68.1	20.1	72.0	22.2	77	25.0	1973*	1973*	64.2	17.9	56	13.3	1965	1965
25	67.7	19.8	71.6	22.0	78	25.6	1975*	1975*	63.8	17.7	57	13.9	1977*	1977*
26	67.2	19.6	70.8	21.6	78	25.6	1973	1973	63.6	17.6	54	12.2	1977	1977
27	66.7	19.3	70.7	21.5	78	25.6	1952	1952	62.7	17.1	51	10.6	1977	1977
28	67.7	19.8	71.3	21.8	76	24.4	1976*	1976*	64.1	17.8	58	14.4	1975*	1975*
29	67.6	19.8	71.3	21.8	77	25.0	1952	1952	63.9	17.7	59	15.0	1975*	1975*
30	66.9	19.4	70.4	21.3	76	24.4	1970*	1970*	63.4	17.4	57	13.9	1977*	1977*
31	66.3	19.1	70.2	21.2	76	24.4	1975*	1975*	62.4	16.9	54	12.2	1977	1977
Monthly	68.3	20.2	72.0	22.2	80	26.7	1976*	1976*	64.6	18.1	51	10.6	1977	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

49-77

MIDWAY ISLAND

22701

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	74	75	77	79	79	83	83	84	85	84	81	78	85
50		75	75	78	84				85	85	81	77	
51	76	75	74	77	79	82	84	85	85	84	82	79	85
52	74	75	75	78	79	84	85	85	87	87	81	79	87
53	76	76	77	78	81	84	88	85	85	82	80	77	88
54	75	73	75	77	78	84	84	86	84	84	82		
55	74	76	73	76	81	85	85	83	85	82	79	77	85
56	73	72	73	75	77	83	84	85	85	82	81	74	85
57	72	73	73	76	79	85	84	84	84	78	78	75	85
58	74	73	75	76	79	80	81	83	88	81	78	73	88
59	70	73	77	73	79	82	83	89	85	83	78	77	89
60	76	73	74	78	81	85	85	86	86	81	78	76	86
61	74	75	75	74	80	82	83	84	83	83	80	76	85
62	73	72	74	73	80	82	82	87	88	82	80	77	88
63	73	73	74	75	80	82	83	85	87	84	84	77	87
64	77	76	76	74	80	83	82	85	88	85	80	77	88
65	72	74	73	74	79	81	82	84	85	84	80	74	85
66	75	72	75	77	76	81	84	86	89	84	79	76	89
67	78	75	72	75	80	83	83	85	88	86	83	77	88
68		70	75	76	82	85	85	87	86	82	80	76	
69	71	77	74	79	83	83	88	85	85	86	80	79	88
70	75	75	79	82	86	88	85	85	87	82	82	80	88
71	78	76	80	79	85	82	87	87	85	85	80	77	
72	73	74	71	74	79	84	83	83	85	83	81	77	85
73	75	76	81	81	83	84	87	87	87	84	82	80	87
74	77	81	77	76	80	84	86	87	87	87	87		
75	80	77	81	79	81	85	88	86	86	85	84	79	88
76	76	74	79	75	82	83	85	88	88	88	80	80	88
77	76	76	76	80	81	85	84	86	87	83	80	79	87
MEAN	74.7	74.6	75.5	76.7	80.4	83.4	84.4	85.4	86.1	83.7	80.7	77.2	86.8
S. D.	2.267	2.097	2.572	2.362	2.229	1.660	1.912	1.501	1.407	2.109	2.016	1.717	1.465
TOTAL OBS.	837	819	899	870	899	840	868	868	840	899	870	837	10346

FROM DAILY OBSERVATIONS)

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

5723 Extreme Values Jan 1969

[illegible]

NAVWEASERVCOM

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

49-77

MIDWAY ISLAND

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	58	60	60	63	64	69	70	71	73	69	65	61	58
50		60	58	58	62				71	69	64	59	
51	58	59	52	59	63	63	70	70	70	68	63	58	52
52	57	60	61	60	67	69	69	70	70	65	64	63	57
53	59	53	58	58	63	67	70	72	70	69	68	58	55
54	57	55	57	60	63	67	67	71	70	67	59		
55	57	57	59	58	67	70	69	69	67	66	59	58	57
56	55	53	59	61	65	69	68	69	70	62	60	58	53
57	55	55	57	58	62	68	72	68	72	60	62	59	55
58	56	53	57	60	64	66	69	72	72	67	61	56	53
59	53	57	56	57	60	65	69	73	72	64	60	60	55
60	59	56	53	60	63	66	71	70	68	66	63	60	56
61	57	58	57	53	60	68	71	71	73	62	66	60	53
62	54	57	57	59	61	62	68	73	72	68	67	61	54
63	56	56	56	60	65	71	70	70	71	68	62	55	55
64	60	59	57	55	60	63	70	68	68	68	60	56	55
65	52	54	57	57	61	68	70	72	68	69	62	56	52
66	56	56	60	59	60	65	67	64	70	66	63	60	56
67	59	56	52	61	62	66	67	70	71	66	63	53	52
68		54	52	60	61	63	72	74	70	67	55	58	
69	56	56	57	61	67	67	70	69	69	65	62	60	56
70	57	56	60	61	59	69	67	69	70	68	61	59	56
71	53	59	58	64	64	67	67	68		61	57	53	
72	53	57	54	58	62	66	72	73	68	65	62	52	52
73	52	54	61	61	65	70	69	69	66	63	60	56	52
74	57	61	52	57	64	61	68	70	69	62	68		
75	52	54	51	56	64	68	70	68	68	66	60	56	51
76	51	51	57	58	64	62	66	68	70	66	60	60	51
77	51	50	51	55	61	68	63	68	64	64	55	51	50
MEAN	55.7	56.1	56.6	58.9	62.9	66.6	69.0	70.0	69.7	65.8	61.8	57.7	54.0
S. D.	2.643	2.709	2.982	2.401	2.216	2.615	2.027	2.108	2.088	2.527	3.317	2.880	2.207
TOTAL OBS.	837	819	899	870	899	840	868	868	840	899	870	837	10346

NAVWEASERVCOM

5723 Extreme Values Jan 1969

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

49-77

MIDWAY ISLAND

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

PSYCHROMETRIC SUMMARY

5775 PSYCHROMETRIC SUMMARY JAN 68

STATION 22701 MIDWAY ISLAND
 STATION NAME 73-77
 YEARS JAN MONTH
 PAGE 1
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79				.1	.4		.1											7	7		
78/ 77				.4	.1	.1												7	7		
76/ 75		.1	1.0	1.0	1.5	.2												48	48		
74/ 73		.3	.4	2.9	1.3	.6	.2											71	71	5	
72/ 71	.1	.6	2.4	1.8	1.7	.8	.4											97	97	30	11
70/ 69	.1	1.6	4.2	1.6	2.3	.7	.2	.1										133	133	51	26
68/ 67	.6	3.0	3.1	3.2	2.8	2.4												189	189	121	61
66/ 65	.2	3.0	3.0	3.9	3.5	1.3	.3											188	188	129	95
64/ 63	.6	2.3	1.9	5.4	3.7	1.4	.2											190	190	139	135
62/ 61	.5	2.0	1.5	4.8	2.9	.8												154	154	137	99
60/ 59	.3	1.5	1.7	3.0	1.2	.2												98	98	168	109
58/ 57	.3	.5	.6	1.3	.4	.2												40	40	176	102
56/ 55	.2	.2	.5	.2														13	13	145	112
54/ 53	.1	.2	.1	.1														5	5	97	140
52/ 51																				34	132
50/ 49																				7	92
48/ 47																				1	63
46/ 45																					32
44/ 43																					26
42/ 41																					3
40/ 39																					2
TOTAL	2.9	15.2	20.3	29.7	21.8	8.6	1.4	.2										1240	1240	1240	1240

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7001840	91894	74.1	12.440	1240	≤ 67 F	≥ 73 F	≥ 79 F	≥ 80 F	≥ 93 F		744.0
Dry Bulb	5432399	81857	66.0	4.314	1240	331.2	79.8	1.8				744.0
Wet Bulb	4620839	75429	60.8	5.122	1240	124.2	3.0					744.0
Dew Point	4101016	70834	57.1	6.643	1240	58.8	1.2					744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

22701

MIDWAY ISLAND

STATION

STATION NAME

73-77

YEARS

FEB

MONTH

PAGE 1

HOURS (L.S.T.)

58719

PSYCHROMETRIC SUMMARY

JAN 68

8001

1478

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
80/ 76					.6	.4												11	11		
78/ 77					.5	.1												10	10		
76/ 75			.3	1.5	.9	.4												34	34		
74/ 73			1.6	2.1	1.4	.3	.7	.1										70	70	3	
72/ 71		.9	3.2	2.1	1.3	.4												101	101	19	
70/ 69	.3	2.2	4.0	1.5	1.9	2.3												145	145	81	
68/ 67	.4	2.8	5.5	2.1	2.3	1.4												169	169	109	
66/ 65	.6	2.7	2.8	3.5	3.5	1.2												168	168	117	
64/ 63	1.0	3.3	1.7	2.8	1.9	.9												130	130	149	
62/ 61	.4	1.8	1.4	3.0	3.0	.9												121	121	131	
60/ 59	.1	1.0	1.6	2.5	1.3	.4												77	77	137	
58/ 57	.1	.4	1.1	2.1	.7	.1												51	51	126	
56/ 55	.1	.3	.6	.6	.4													22	22	93	
54/ 53	.1	.2	.5	.4	.3													16	16	79	
52/ 51		.1		.2														3	3	53	
50/ 49																				25	
48/ 47																				3	
46/ 45																				3	
44/ 43																					
42/ 41																					
40/ 39																					
38/ 37																					
TOTAL	3.115	724.324	719.9	8.7	3.3	.3												1128	1128	1128	

NAWFEASERVCOM

PSYCHROMETRIC SUMMARY

22701

MIDWAY ISLAND

73-77

YEARS

MAR

MONTH

PAGE 1

HOURS (L.S.T.)

WET BULB TEMPERATURE DEPRESSION (F)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	TOTAL Dew Point
80/ 79					.1	.1	.1											9	9		
78/ 77				.3	1.3	1.0												33	33		
76/ 75		.1	.4	1.0	1.2	.3	.1											38	38		
74/ 73		.3	2.0	3.1	1.0	.5	.2											88	88	1	1
72/ 71	.1	3.0	3.5	2.6	.9	1.0	.2											140	140	35	5
70/ 69	.3	4.1	4.4	2.0	1.5	.7	.9											172	172	119	52
68/ 67	.9	3.6	6.5	2.1	2.1	.9												200	200	184	113
66/ 65	.6	4.0	3.9	3.1	3.4	.6	.1											194	194	180	165
64/ 63	.6	3.5	2.4	2.8	2.7	.2												153	153	162	162
62/ 61	.8	1.7	1.5	2.2	1.1													91	91	133	159
60/ 59	.2	1.4	1.7	1.8	.2													65	65	129	108
58/ 57	.5	.5	1.0	.9	.1													37	37	146	88
56/ 55	.1	.2	.8	.2														16	16	84	93
54/ 53		.2	.2															4	4	44	88
52/ 51																				20	90
50/ 49																				3	72
48/ 47																					32
46/ 45																					11
44/ 43																					1
TOTAL	4.122	528.421	915.6	5.9	1.5													1240	1240	1240	1240

Mean No. of Hours with Temperature

No. Obs.

 σ_x
 \bar{x}
 Σx
 Σx^2

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

Total

Total

Total

Total

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

JAN 68

22701 MIDWAY ISLAND

STATION NAME

73-77

YEARS

APR

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79				.1	.2	.1	.1											6	6		
78/ 77			.1	.2	.3	.3	.1											15	15		
76/ 75		.2	.3	1.0	1.8	1.1	.2											56	56		
74/ 73	.2	.1	.9	2.5	2.6	2.0	.2											101	101	8	4
72/ 71	.1	1.2	1.9	3.2	3.8	1.8	.2											148	148	17	6
70/ 69	.1	2.4	5.7	4.5	2.0	.9	1.0	.1										200	200	64	29
68/ 67	.3	4.0	6.9	3.0	1.2	1.4	.7											213	213	132	53
66/ 65	.6	3.9	4.6	3.5	1.7	1.4	.3											193	193	238	118
64/ 63	.2	3.1	1.7	3.1	2.5	1.0												139	139	241	188
62/ 61	.5	.3	.4	2.6	1.7	.2												69	69	162	164
60/ 59	.1	.6	.5	1.5	.7	.2												43	43	92	191
58/ 57		.3	.3	.2	.4													16	16	94	109
56/ 55					.1													1	1	95	65
54/ 53																				40	60
52/ 51																				13	62
50/ 49																				4	60
48/ 47																					58
46/ 45																					22
44/ 43																					7
42/ 41																					4
TOTAL	2.216	2.23	3.25	4.19	5.10	4.2	.8	.1										1200	1200	1200	1200

NAWWEASERVCOM

Mean No. of Hours with Temperature

No. Obs.

 σ_x \bar{x} $\sum x$ $\sum x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

Total

≥ 80 F

≥ 73 F

≥ 67 F

≤ 32 F

≤ 0 F

≥ 93 F

Total

720.0

720.0

720.0

PSYCHROMETRIC SUMMARY

22701	STATION
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MIDWAY ISLAND

STATION NAME

73-77

YEARS

DAY

MONTH

PAGE 1

HOURS (L.S.T.)

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5 PSYCHROMETRIC SUMM.

JAN 68

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

50117
1955

PSYCHROMETRIC SUMMARY JAN: 68

50117

50117

22701 MIDWAY ISLAND
STATION NAME
73-77
YEARS
JUN
MONTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
86/ 85						.2	.1											3	3		
84/ 83		.1		.2	1.0	1.7	.5											43	43		
82/ 81			.2	1.4	5.3	3.7	.7											135	135	1	
80/ 79		.2	1.0	4.9	5.9	2.7	.4	.1										183	183		
78/ 77		1.3	6.1	5.7	3.4	.2	.2											205	205	9	1
76/ 75	.3	7.4	9.9	4.6	1.5	.2	.2											289	289	103	3
74/ 73	.7	5.7	7.1	2.5	.5	.2												202	202	415	20
72/ 71	.4	2.2	1.6	1.3	.7	.1												76	76	347	141
70/ 69	.2	1.5	.7	.8	.2													39	39	193	289
68/ 67	.1	.2	.6	.6														18	18	56	335
66/ 65	.1	.3																5	5	42	200
64/ 63	.1	.1																2	2	31	98
62/ 61																				3	56
60/ 59																				24	7
58/ 57																				1	
56/ 55																					
TOTAL	2.0	19.2	27.2	21.9	18.6	9.0	2.0	.2										1200	1200	1200	1200

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	7648301	94923	79.1	10.792	1200	≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 93 F	Total
Dry Bulb	7039354	91808	76.5	3.587	1200			715.8	636.0	162.0	720.0
Wet Bulb	6167371	85967	71.6	2.704	1200			674.4	316.8	.6	720.0
Dew Point	5766730	83088	69.2	3.382	1200			593.4	182.4	.6	720.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

STATION 22701 MIDWAY ISLAND STATION NAME 73-77 YEARS JUL MONTH PAGE 1 HOURS (L.S.T.)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85					.2	.7	1.0	.4	.3									34	34		
84/ 83				.5	3.5	5.6	2.7	.6	.5									167	167		
82/ 81				2.0	4.0	4.5	3.1	.4	.1									175	175		
80/ 79		.2	2.7	4.4	6.3	2.7	.3	.1										208	208		
78/ 77		1.9	8.5	9.0	5.7	1.3	.2											330	330	23	1
76/ 75	.2	3.1	8.1	3.0	1.9	.4												208	208	167	36
74/ 73		1.9	2.9	2.1	.3	.1												90	90	425	152
72/ 71	.1	.6	.6	.4	.1													23	23	394	251
70/ 69			.2															4	4	153	340
68/ 67		.1																1	1	68	232
66/ 65																				10	128
64/ 63																					54
62/ 61																					32
60/ 59																					13
58/ 57																					1
TOTAL	.3	7.9	23.2	21.3	22.2	15.4	7.3	1.5	.9									1240	1240	1240	1240

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

5709

PSYCHROMETRIC SUMMARY JAN 68

AUG

MONTH

PAGE 1

HOURS (L.S.T.)

73-77

YEARS

MIDWAY ISLAND

STATION NAME

22701

STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88 / 87					.5	2.9	1.7	.2										1	1		
86 / 85						6.2	1.1	1.0										65	65		
84 / 83					.7	4.0	6.2	1.1	1.0									162	162		
82 / 81			.2	3.1	7.3	2.8	.7											176	176		
80 / 79		.5	3.7	7.7	4.1	1.6	.2											222	222	1	
78 / 77	.1	2.3	13.1	6.9	2.7	.3												315	315	38	5
76 / 75	.1	4.0	8.3	2.4	.3	.1												196	196	259	49
74 / 73	.8	3.5	1.8	.9	.3													90	90	599	229
72 / 71	.5	.3	.1	.1														12	12	246	425
70 / 69	.1																	1	1	78	321
68 / 67																				16	118
66 / 65																				3	61
64 / 63																					22
62 / 61																					10
TOTAL	1.5	11.1	127.3	21.9	19.2	14.0	3.8	1.2										1240	1240	1240	1240

Element (X)	ΣX ²		ΣX		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total	
	Rel. Hum.	Dry Bulb	Wet Bulb	Dew Point	ΣX ²	ΣX	X̄	σ _x	No. Obs.		≥73 F	≥80 F	≥93 F	≥93 F	≥93 F	≥93 F	Total	Total
Rel. Hum.	7426094	95020	76.6	10.810	1240				1240		744.0	736.2	311.4				744.0	744.0
Dry Bulb	7754680	97974	79.0	3.316	1240				1240		742.2	538.2					744.0	744.0
Wet Bulb	6670419	90917	73.3	1.878	1240				1240		685.2	316.8					744.0	744.0
Dew Point	6206476	87668	70.7	2.595	1240				1240									

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

5 PSYCHROMETRIC SUMMARY JAN 68

SEP
MONTH
PAGE 1
HOURS (L.S.T.)

73-77

STATION NAME

MIDWAY ISLAND

22701
STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Wet Bulb		
88/ 87							.2	.4	.4									3	3		
86/ 85					.4	1.2	.4	.4	.4									29	29		
84/ 83			.2	.2	2.9	3.5	1.8	.7	.2									114	114		
82/ 81	.1	.3	.6	2.2	3.9	3.2	2.1	.2	.3	.2								159	159		
80/ 79		1.0	3.5	6.0	4.2	2.0	.7	.3										214	214		
78/ 77	.3	3.2	6.8	5.8	3.7	1.3	.6	.2										264	264		
76/ 75	.2	4.9	6.3	3.9	2.7	.7	.4											230	230		
74/ 73	.6	3.5	3.1	2.5	.7	.7	.1											133	133		
72/ 71	.2	.9	.2	.7	1.0	.4												42	42		
70/ 69	.2	.2	.2	.2														7	7		
68/ 67		.2	.2															4	4		
66/ 65		.1																1	1		
64/ 63																					
62/ 61																					
60/ 59																					
58/ 57																					
56/ 55																					
52/ 51																					
TOTAL	1.6	14.2	20.9	21.7	19.6	13.0	6.4	1.8	.5	.2								1200	1200		
											</										

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

$\sum x$

$\sum x^2$

Element (X)

	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb							
Wet Bulb							
Dew Point							

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

22701

MIDWAY ISLAND

STATION

STATION NAME

73-77

YEARS

OCT

MONTH

PAGE 1

HOURS (L.S.T.)

505

PSYCHROMETRIC SUMMARY

JAN 68

500

1000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87				.1		.3	.1	.1										7	7		
86/ 85			.1		.2	.4	.1											10	10		
84/ 83			.2	.2	1.1	.6	.2											28	28		
82/ 81		.1	.5	.8	2.5	2.4	.6	.1										86	86	3	
80/ 79		.2	1.6	3.1	3.8	3.4	1.0	.2										164	164	6	3
78/ 77		2.2	4.4	4.8	3.6	1.8	.9	.1										218	218	22	7
76/ 75	.1	4.0	6.5	5.0	3.1	1.7	.5											258	258	98	37
74/ 73	.5	5.0	6.7	4.0	1.9	.8	.3		.2									240	240	265	126
72/ 71	.2	2.8	2.5	2.8	1.7	.7	.2											137	137	268	172
70/ 69	.4	.6	1.5	.9	1.0	.2												56	56	247	266
68/ 67	.1	.4	.6	.6	.2													23	23	134	186
66/ 65	.1	.1	.2	.2														8	8	105	130
64/ 63		.1																1	1	59	118
62/ 61		.1																1	1	20	82
60/ 59																				8	50
58/ 57																				2	38
56/ 55																					13
54/ 53																					5
52/ 51																					1
50/ 49																					1
44/ 43																					2
TOTAL	1.4	15.6	24.7	22.5	19.0	12.4	3.9	.4	.2									1237	1237	1237	1237

Element (X)	ΣX ²	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	7427686	94763	76.6	11.637	1237	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Total		
Dry Bulb	7130709	93801	75.8	3.798	1237	738.0	608.1	130.5			744.0		
Wet Bulb	6152804	87124	70.4	3.655	1237	627.3	237.0	1.8			744.0		
Dew Point	5686602	83616	67.6	4.802	1237	479.4	156.4	1.8			744.0		

Mean No. of Hours with Temperature

No. Obs.

 \bar{x} σ_x $\sum x$ $\sum x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

Total

≥ 80 F

≥ 73 F

≥ 67 F

≥ 32 F

≥ 0 F

≥ 93 F

Total

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

5 PSYCHROMETRIC SUMMARY JAN 68

22701 MIDWAY ISLAND STATION NAME
73-77 YEARS
NOV MONTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb
86/ 85																		3	3	
84/ 83																		16	16	
82/ 81																		36	36	
80/ 79																		65	65	1
78/ 77																		146	146	15
76/ 75																		206	206	60
74/ 73																		219	219	121
72/ 71																		188	188	156
70/ 69																		135	135	202
68/ 67																		92	92	165
66/ 65																		40	40	136
64/ 63																		21	21	95
62/ 61																		23	23	39
60/ 59																		6	6	77
58/ 57																		2	2	46
56/ 55																				21
54/ 53																				10
52/ 51																				3
50/ 49																				1
48/ 47																				
46/ 45																				
44/ 43																				
TOTAL																		1198	1200	1198
															</					

NAVWEASERVCOM

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

Total

≥93 F

≥80 F

≥73 F

≥67 F

≥52 F

≤0 F

≤73 F

≤67 F

≤52 F

≤46 F

≤39 F

≤32 F

≤26 F

≤20 F

≤14 F

Total

≥93 F

≥80 F

≥73 F

≥67 F

≥52 F

≤0 F

≤73 F

≤67 F

≤52 F

≤46 F

≤39 F

≤32 F

≤26 F

≤20 F

≤14 F

PSYCHROMETRIC SUMMARY

22701 MIDWAY ISLAND STATION NAME 73-77 YEARS DEC MONTH
 PAGE 1 HOURS (L.S.T.)

5300 55 PSYCHROMETRIC SUMMA JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
80/ 79				.1	.7	.1	.1											11	11			
78/ 77			.1	1.2	1.2	.5	.5											43	43			
76/ 75		.2	2.4	2.0	1.7	1.0	.7	.1										99	99			
74/ 73		.8	3.4	3.7	1.9	2.1	.8	.2										159	159	9	2	
72/ 71		2.1	2.8	2.8	2.0	1.9	1.8	.2										163	163	91	16	
70/ 69	.1	2.0	4.3	3.5	2.6	3.3	1.5	.1										214	214	121	98	
68/ 67	.1	2.3	4.0	2.8	4.0	2.4	1.0											202	202	141	91	
66/ 65	.7	2.6	1.8	3.0	3.1	1.1	.2											154	154	163	111	
64/ 63	.1	.9	1.3	1.4	2.5	1.6												96	96	171	142	
62/ 61	.1	.5	.7	1.1	1.2	.3												47	47	148	110	
60/ 59	.2	.5	.3	.7	.2	.2												26	26	138	125	
58/ 57			.2	.2	.2													7	7	114	96	
56/ 55			.2															2	2	59	97	
54/ 53	.1	.1																2	2	38	98	
52/ 51																				12	101	
50/ 49																				2	64	
48/ 47																					44	
46/ 45																					17	
44/ 43																					13	
42/ 41																					2	
TOTAL	1.3	12.0	21.4	22.5	21.3	14.5	6.6	.5										1227	1227	1227	1227	

NAWWEASERVCOM

Mean No. of Hours with Temperature

No. Obs.

 σ_x \bar{x} $\sum x$ $\sum x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

≥73 F

≥67 F

≥32 F

≤0 F

≥93 F

Total

744.0

744.0

744.0

PSYCHROMETRIC SUMMARY

ALL MONTH PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
																	D.B./W.B.	Wet Bulb	Dew Point	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30				≥ 31
88/ 87				.0		.0	.0	.0										11	11	
86/ 85			.0		.1	.5	.3	.1	.0									144	144	
84/ 83	.0	.0	.0	.2	1.1	1.5	.5	.2	.1									530	530	
82/ 81	.0	.0	.1	.9	2.0	1.4	.7	.1	.0	.0								778	778	5
80/ 79		.2	1.2	2.4	2.4	1.3	.3	.1			.0							1149	1149	14
78/ 77	.0	1.0	3.6	3.4	2.4	.9	.3	.0	.0	.0	.0							1688	1688	163
76/ 75	.1	2.4	4.3	2.8	1.9	.8	.3	.0	.0	.0	.0							1837	1837	874
74/ 73	.2	2.4	3.5	3.1	1.4	1.0	.3	.0	.0	.0	.0							1732	1732	2313
72/ 71	.2	2.0	2.4	2.0	1.4	1.0	.4	.0	.0	.0	.0							1387	1387	2042
70/ 69	.2	1.7	2.8	1.5	1.3	.9	.4	.1	.0	.0	.0							1310	1310	1768
68/ 67	.3	1.6	2.6	1.5	1.3	.9	.2	.0										1233	1233	1464
66/ 65	.3	1.5	1.4	1.6	1.3	.5	.2											992	993	1318
64/ 63	.2	1.1	.8	1.4	1.2	.4	.0											741	741	1187
62/ 61	.2	.5	.5	1.2	.9	.2	.0											506	506	918
60/ 59	.1	.4	.5	.8	.3	.1												315	315	799
58/ 57	.1	.1	.3	.4	.2	.0												153	153	714
56/ 55	.0	.1	.2	.1	.0													54	54	518
54/ 53	.0	.0	.1	.0	.0													27	27	309
52/ 51		.0		.0														3	3	135
50/ 49																				42
48/ 47																				4
46/ 45																				3
44/ 43																				
42/ 41																				
40/ 39																				
38/ 37																				
36/ 35																				
TOTAL	2.0	15.0	24.3	23.3	31.9	31.1	4.3	.7	.2	.0	.0	.0						14592	14592	14590
																		14590		

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

MIDWAY ISLAND

22701

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 64.7 S. D. 4.661 TOTAL OBS 155	MEAN 64.4 S. D. 4.636 TOTAL OBS 155	MEAN 65.5 S. D. 4.198 TOTAL OBS 155	MEAN 65.6 S. D. 3.441 TOTAL OBS 150	MEAN 70.1 S. D. 2.496 TOTAL OBS 155	MEAN 74.1 S. D. 2.285 TOTAL OBS 150	MEAN 76.5 S. D. 1.714 TOTAL OBS 155	MEAN 76.6 S. D. 1.960 TOTAL OBS 155	MEAN 76.0 S. D. 2.404 TOTAL OBS 150	MEAN 74.0 S. D. 2.818 TOTAL OBS 155	MEAN 71.8 S. D. 4.041 TOTAL OBS 150	MEAN 67.8 S. D. 4.233 TOTAL OBS 153	MEAN 70.6 S. D. 5.724 TOTAL OBS 1824
04	MEAN 64.5 S. D. 4.460 TOTAL OBS 155	MEAN 64.1 S. D. 4.951 TOTAL OBS 155	MEAN 65.2 S. D. 4.239 TOTAL OBS 155	MEAN 65.3 S. D. 3.382 TOTAL OBS 150	MEAN 69.7 S. D. 2.575 TOTAL OBS 155	MEAN 73.5 S. D. 2.249 TOTAL OBS 150	MEAN 75.7 S. D. 2.036 TOTAL OBS 155	MEAN 76.0 S. D. 1.937 TOTAL OBS 155	MEAN 75.5 S. D. 2.465 TOTAL OBS 150	MEAN 73.5 S. D. 3.111 TOTAL OBS 155	MEAN 71.4 S. D. 4.097 TOTAL OBS 150	MEAN 67.8 S. D. 4.088 TOTAL OBS 153	MEAN 70.2 S. D. 5.628 TOTAL OBS 1824
07	MEAN 64.5 S. D. 4.525 TOTAL OBS 155	MEAN 64.2 S. D. 4.942 TOTAL OBS 155	MEAN 65.0 S. D. 4.311 TOTAL OBS 155	MEAN 65.3 S. D. 3.348 TOTAL OBS 150	MEAN 70.7 S. D. 2.551 TOTAL OBS 155	MEAN 74.7 S. D. 2.472 TOTAL OBS 150	MEAN 76.5 S. D. 1.863 TOTAL OBS 155	MEAN 76.5 S. D. 1.821 TOTAL OBS 155	MEAN 75.8 S. D. 2.441 TOTAL OBS 150	MEAN 73.6 S. D. 2.885 TOTAL OBS 155	MEAN 71.5 S. D. 4.174 TOTAL OBS 150	MEAN 67.8 S. D. 4.269 TOTAL OBS 153	MEAN 70.5 S. D. 5.838 TOTAL OBS 1824
10	MEAN 66.9 S. D. 4.457 TOTAL OBS 155	MEAN 67.1 S. D. 4.722 TOTAL OBS 155	MEAN 68.5 S. D. 4.665 TOTAL OBS 155	MEAN 69.5 S. D. 3.727 TOTAL OBS 150	MEAN 74.2 S. D. 2.619 TOTAL OBS 155	MEAN 78.2 S. D. 2.892 TOTAL OBS 150	MEAN 80.4 S. D. 2.434 TOTAL OBS 155	MEAN 80.7 S. D. 2.398 TOTAL OBS 155	MEAN 80.0 S. D. 2.616 TOTAL OBS 150	MEAN 77.7 S. D. 3.178 TOTAL OBS 155	MEAN 74.4 S. D. 4.425 TOTAL OBS 150	MEAN 70.5 S. D. 3.932 TOTAL OBS 153	MEAN 74.0 S. D. 6.245 TOTAL OBS 1824
13	MEAN 68.8 S. D. 4.437 TOTAL OBS 155	MEAN 69.1 S. D. 5.059 TOTAL OBS 155	MEAN 70.4 S. D. 4.964 TOTAL OBS 155	MEAN 71.8 S. D. 3.592 TOTAL OBS 150	MEAN 75.7 S. D. 2.794 TOTAL OBS 155	MEAN 79.9 S. D. 2.876 TOTAL OBS 150	MEAN 82.2 S. D. 2.428 TOTAL OBS 155	MEAN 82.9 S. D. 2.103 TOTAL OBS 155	MEAN 81.8 S. D. 2.581 TOTAL OBS 150	MEAN 79.5 S. D. 3.302 TOTAL OBS 155	MEAN 75.9 S. D. 4.376 TOTAL OBS 150	MEAN 72.0 S. D. 4.141 TOTAL OBS 153	MEAN 75.9 S. D. 6.266 TOTAL OBS 1824
16	MEAN 68.5 S. D. 4.653 TOTAL OBS 155	MEAN 69.0 S. D. 5.170 TOTAL OBS 155	MEAN 69.7 S. D. 4.967 TOTAL OBS 155	MEAN 71.2 S. D. 3.836 TOTAL OBS 150	MEAN 75.3 S. D. 3.001 TOTAL OBS 155	MEAN 79.7 S. D. 3.107 TOTAL OBS 150	MEAN 82.1 S. D. 2.214 TOTAL OBS 155	MEAN 82.5 S. D. 2.263 TOTAL OBS 155	MEAN 81.3 S. D. 2.613 TOTAL OBS 150	MEAN 78.6 S. D. 3.392 TOTAL OBS 154	MEAN 75.3 S. D. 4.492 TOTAL OBS 150	MEAN 71.4 S. D. 4.057 TOTAL OBS 154	MEAN 75.4 S. D. 6.359 TOTAL OBS 1824
19	MEAN 65.4 S. D. 4.482 TOTAL OBS 155	MEAN 65.9 S. D. 4.867 TOTAL OBS 155	MEAN 66.9 S. D. 4.493 TOTAL OBS 155	MEAN 67.8 S. D. 3.684 TOTAL OBS 150	MEAN 72.7 S. D. 2.810 TOTAL OBS 155	MEAN 77.1 S. D. 2.916 TOTAL OBS 150	MEAN 79.2 S. D. 2.300 TOTAL OBS 155	MEAN 79.5 S. D. 2.033 TOTAL OBS 155	MEAN 77.9 S. D. 2.636 TOTAL OBS 150	MEAN 75.3 S. D. 2.978 TOTAL OBS 154	MEAN 72.4 S. D. 4.038 TOTAL OBS 150	MEAN 68.6 S. D. 4.289 TOTAL OBS 154	MEAN 72.4 S. D. 6.236 TOTAL OBS 1824
22	MEAN 64.8 S. D. 4.477 TOTAL OBS 155	MEAN 64.9 S. D. 4.767 TOTAL OBS 155	MEAN 66.0 S. D. 4.272 TOTAL OBS 155	MEAN 66.2 S. D. 3.336 TOTAL OBS 150	MEAN 71.0 S. D. 2.588 TOTAL OBS 155	MEAN 74.8 S. D. 2.475 TOTAL OBS 150	MEAN 76.9 S. D. 1.931 TOTAL OBS 155	MEAN 77.4 S. D. 1.816 TOTAL OBS 155	MEAN 76.4 S. D. 2.510 TOTAL OBS 150	MEAN 74.5 S. D. 2.897 TOTAL OBS 154	MEAN 71.9 S. D. 4.161 TOTAL OBS 150	MEAN 68.1 S. D. 4.112 TOTAL OBS 154	MEAN 71.1 S. D. 5.790 TOTAL OBS 1824
ALL HOURS	MEAN 66.0 S. D. 4.814 TOTAL OBS 1240	MEAN 66.1 S. D. 5.250 TOTAL OBS 1128	MEAN 67.1 S. D. 4.926 TOTAL OBS 1240	MEAN 67.8 S. D. 4.332 TOTAL OBS 1200	MEAN 72.4 S. D. 3.488 TOTAL OBS 1240	MEAN 76.5 S. D. 3.587 TOTAL OBS 1200	MEAN 78.7 S. D. 3.266 TOTAL OBS 1240	MEAN 79.0 S. D. 3.317 TOTAL OBS 1240	MEAN 78.1 S. D. 3.511 TOTAL OBS 1200	MEAN 75.8 S. D. 3.798 TOTAL OBS 1237	MEAN 73.1 S. D. 4.554 TOTAL OBS 1200	MEAN 69.3 S. D. 4.449 TOTAL OBS 1227	MEAN 72.5 S. D. 6.386 TOTAL OBS 14592

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22701 MIDWAY ISLAND

73-77

STATION NAME

YEARS

HRS. (L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 5.299 S. D. 155 TOTAL OBS 155	60.4 5.498 155	62.1 4.950 155	62.0 4.526 150	66.7 3.886 155	71.2 2.692 150	72.0 2.233 155	72.9 1.836 155	71.9 3.164 150	70.2 3.550 155	66.9 5.365 149	62.7 5.164 153	66.6 6.293 1823
04	MEAN 5.268 S. D. 155 TOTAL OBS 155	60.1 5.628 141	62.0 4.840 155	61.8 4.545 150	66.6 3.878 155	70.9 2.706 150	71.7 2.402 155	72.7 1.981 155	71.6 3.253 150	69.9 3.663 155	66.4 5.433 149	62.9 5.109 153	66.4 6.248 1823
07	MEAN 5.129 S. D. 155 TOTAL OBS 155	60.4 5.639 141	61.9 5.056 155	61.9 4.418 150	67.1 4.006 155	71.4 2.818 150	72.2 2.198 155	73.2 1.668 155	71.9 3.148 150	69.9 3.815 155	66.7 5.288 150	62.8 5.135 153	66.7 6.360 1824
10	MEAN 5.094 S. D. 155 TOTAL OBS 155	61.5 5.398 141	63.4 5.065 155	63.2 4.515 150	68.0 3.810 155	72.1 2.717 150	72.8 2.176 155	74.0 1.834 155	72.9 2.910 150	71.1 3.899 155	67.9 5.342 150	64.1 5.008 153	67.8 6.146 1824
13	MEAN 4.978 S. D. 155 TOTAL OBS 155	61.7 5.402 141	63.9 4.902 155	63.7 4.405 150	68.3 3.795 155	72.3 2.495 150	72.9 2.061 155	74.1 1.787 155	72.9 2.865 150	71.3 3.512 155	68.3 4.976 150	64.3 4.698 154	68.0 5.953 1824
16	MEAN 4.976 S. D. 155 TOTAL OBS 155	61.6 5.411 141	63.4 4.784 155	63.5 4.416 150	68.1 3.736 155	72.3 2.620 150	72.7 2.048 155	73.7 1.815 155	72.5 2.884 150	70.9 3.410 154	67.9 5.096 150	63.9 4.457 154	67.7 5.952 1824
19	MEAN 4.977 S. D. 155 TOTAL OBS 155	60.5 5.417 141	62.6 4.815 155	62.5 4.555 150	67.3 3.747 155	71.7 2.559 150	72.2 2.142 155	73.1 1.797 155	71.7 3.158 150	70.1 3.522 154	67.0 5.075 150	63.0 4.985 154	66.9 6.131 1824
22	MEAN 5.051 S. D. 155 TOTAL OBS 155	60.3 5.546 141	62.4 4.759 155	62.3 4.529 150	67.0 3.855 155	71.3 2.706 150	72.0 2.271 155	73.0 1.819 155	71.9 3.073 150	70.2 3.618 154	66.7 5.375 150	63.0 5.070 154	66.8 6.196 1824
ALL HOURS	MEAN 5.122 S. D. 1240 TOTAL OBS 1240	61.0 5.532 1128	62.7 4.934 1240	62.6 4.531 1200	67.4 3.880 1240	71.6 2.704 1200	72.3 2.226 1240	73.3 1.878 1240	72.2 3.091 1200	70.4 3.655 1237	67.2 5.271 1198	63.3 4.981 1227	67.1 6.187 14590

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22701 MIDWAY ISLAND

73-77

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 57.3 S. D. 6.805 TOTAL OBS 155	57.3 7.048 141	59.9 6.157 155	59.6 6.082 150	64.6 5.649 155	69.7 3.288 150	69.9 3.128 155	71.2 2.411 155	69.9 4.241 150	68.1 4.502 155	63.9 7.145 149	59.2 6.984 153	64.3 7.541 1823
04	MEAN 57.0 S. D. 6.856 TOTAL OBS 155	57.2 7.094 141	59.8 6.002 155	59.4 6.071 150	64.7 5.656 155	69.5 3.393 150	69.7 3.232 155	71.1 2.570 155	69.6 4.339 150	67.9 4.590 155	63.4 7.200 149	59.5 6.969 153	64.1 7.523 1823
07	MEAN 57.4 S. D. 6.471 TOTAL OBS 155	57.3 7.189 141	59.9 6.339 155	59.5 5.984 150	64.9 5.825 155	69.8 3.478 150	70.1 3.045 155	71.7 2.252 155	69.9 4.163 150	67.9 5.036 155	63.8 6.899 150	59.5 6.859 153	64.4 7.580 1824
10	MEAN 57.8 S. D. 6.662 TOTAL OBS 155	58.0 7.196 141	60.1 6.477 155	59.0 6.164 150	64.5 5.685 155	69.1 3.499 150	69.1 3.193 155	71.0 2.626 155	69.5 4.207 150	67.6 5.382 155	64.1 7.165 150	59.8 7.066 153	64.2 7.406 1824
13	MEAN 56.7 S. D. 6.765 TOTAL OBS 155	57.4 7.276 141	59.7 6.425 155	58.3 6.295 150	64.0 5.736 155	68.6 3.378 150	68.4 3.234 155	70.0 2.635 155	68.5 4.529 150	67.1 4.953 155	63.9 6.818 150	59.2 6.669 153	63.5 7.340 1824
16	MEAN 56.8 S. D. 6.785 TOTAL OBS 155	56.9 7.155 141	59.3 6.131 155	58.4 6.083 150	63.9 6.001 155	68.7 3.327 150	68.3 3.059 155	69.6 2.666 155	68.2 4.459 150	66.9 4.619 154	63.6 6.778 150	59.0 6.340 154	63.3 7.248 1824
19	MEAN 56.9 S. D. 6.442 TOTAL OBS 155	57.0 7.005 141	59.8 5.923 155	58.9 5.988 150	64.1 5.716 155	68.9 3.223 150	68.7 3.150 155	70.1 2.473 155	68.7 4.419 150	67.3 4.554 154	63.7 6.692 150	59.3 6.624 154	63.7 7.226 1824
22	MEAN 57.1 S. D. 6.429 TOTAL OBS 155	57.5 7.176 141	60.1 5.885 155	59.6 6.033 150	64.6 5.674 155	69.6 3.318 150	69.6 3.257 155	71.0 2.428 155	69.5 4.180 150	67.9 4.689 154	63.6 7.166 150	59.4 6.863 154	64.2 7.407 1824
ALL HOURS	MEAN 57.1 S. D. 6.643 TOTAL OBS 1240	57.3 7.128 1128	59.8 6.159 1240	59.1 6.090 1200	64.4 5.738 1240	69.2 3.382 1200	69.2 3.220 1240	70.7 2.596 1240	69.2 4.352 1200	67.6 4.803 1237	63.8 6.968 1198	59.4 6.785 1227	63.9 7.417 14590

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

22701
STATION

MIDWAY ISLAND

73-77

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	100.0	100.0	95.0	69.5	46.1	19.9	78.3	141
	04	100.0	100.0	100.0	100.0	100.0	94.3	70.2	47.5	18.4	78.9	141
	07	100.0	100.0	100.0	100.0	100.0	92.2	72.3	49.6	19.9	79.1	141
	10	100.0	100.0	100.0	100.0	98.6	82.3	57.4	31.9	9.9	73.6	141
	13	100.0	100.0	100.0	100.0	89.4	69.5	37.6	17.7	7.1	67.5	141
	16	100.0	100.0	100.0	100.0	91.5	66.7	34.8	13.5	3.5	66.5	141
	19	100.0	100.0	100.0	100.0	98.6	83.0	61.0	30.5	7.8	73.8	141
	22	100.0	100.0	100.0	100.0	100.0	94.3	67.4	48.2	13.5	77.8	141

STATION
22701

MIDWAY ISLAND

STATION NAME

73-77

PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	100.0	100.0	100.0	99.4	81.9	62.6	23.9	82.9	155
	04	100.0	100.0	100.0	100.0	100.0	99.4	85.2	63.2	26.5	83.4	155
	07	100.0	100.0	100.0	100.0	100.0	98.7	83.2	67.7	26.5	84.0	155
	10	100.0	100.0	100.0	100.0	100.0	90.3	63.2	34.2	11.0	75.6	155
	13	100.0	100.0	100.0	100.0	94.8	76.8	45.2	22.6	5.8	69.9	155
	16	100.0	100.0	100.0	100.0	96.1	81.3	44.5	25.2	6.5	70.6	155
	19	100.0	100.0	100.0	100.0	100.0	98.7	73.5	44.5	12.3	78.7	155
	22	100.0	100.0	100.0	100.0	100.0	98.7	83.2	61.9	19.4	82.2	155
TOTALS		100.0	100.0	100.0	100.0	94.9	92.9	70.0	47.7	16.5	78.4	1240

22701
STATION

MIDWAY ISLAND

73-77

STATION NAME

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	100.0	100.0	97.3	80.7	62.0	16.7	81.6	150
	04	100.0	100.0	100.0	100.0	100.0	97.3	82.7	59.3	19.3	82.0	150
	07	100.0	100.0	100.0	100.0	100.0	95.0	81.3	64.7	20.0	82.2	150
	10	100.0	100.0	100.0	100.0	98.0	80.0	53.3	18.0	2.0	70.2	150
	13	100.0	100.0	100.0	100.0	88.7	64.0	22.0	5.3	3.3	63.3	150
	16	100.0	100.0	100.0	100.0	93.3	67.3	26.0	5.3	2.0	64.9	150
	19	100.0	100.0	100.0	100.0	100.0	92.7	66.0	26.0	3.3	73.9	150
	22	100.0	100.0	100.0	100.0	100.0	95.3	79.3	54.7	15.3	79.6	150
TOTALS		100.0	100.0	100.0	100.0	97.5	86.2	61.7	36.9	10.2	74.7	1200

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	98.7	97.4	97.4	90.3	70.3	21.9	83.4	155
	04	100.0	100.0	100.0	98.7	97.4	97.4	91.6	74.2	26.5	84.7	155
	07	100.0	100.0	100.0	99.4	98.1	95.5	85.2	67.1	25.8	83.0	155
	10	100.0	100.0	100.0	98.1	97.4	84.5	61.9	30.3	2.6	72.7	155
	13	100.0	100.0	99.4	97.4	94.8	72.9	40.6	14.2	1.3	68.0	155
	16	100.0	100.0	99.4	96.8	94.8	76.8	43.9	18.1	2.6	69.1	155
	19	100.0	100.0	99.4	98.7	97.4	92.9	71.6	36.8	5.8	75.5	155
	22	100.0	100.0	99.4	98.1	97.4	97.4	87.1	61.3	17.4	81.2	155
TOTALS		100.0	100.0	99.7	98.2	96.8	89.4	71.5	46.5	13.0	77.2	1240

2

MONTH
NUM

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NAVWEASERVCOM

PERIOD

MONTH
DAY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	100.0	98.1	88.4	51.6	12.3	80.8	155
	04	100.0	100.0	100.0	100.0	100.0	98.1	92.9	65.8	14.2	82.2	155
	07	100.0	100.0	100.0	100.0	100.0	99.4	88.4	63.9	9.0	81.2	155
	10	100.0	100.0	100.0	100.0	97.4	87.1	43.9	11.0	1.9	69.2	155
	13	100.0	100.0	100.0	100.0	94.8	65.2	15.5	4.5	1.3	63.9	155
	16	100.0	100.0	100.0	100.0	97.4	66.5	15.5	3.2		63.5	155
	19	100.0	100.0	100.0	100.0	97.4	91.0	51.6	9.7	1.9	70.8	155
	22	100.0	100.0	100.0	100.0	100.0	97.4	85.8	41.9	7.7	78.8	155
TOTALS		100.0	100.0	100.0	100.0	98.4	87.9	60.3	31.5	6.0	73.8	1240

RELATIVE HUMIDITY

22701
STATION

MIDWAY ISLAND

STATION NAME

73-77

PERIOD

SEP
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	100.0	97.3	86.7	62.7	17.3	82.0	150
	04	100.0	100.0	100.0	100.0	100.0	99.3	84.7	63.3	22.0	82.7	150
	07	100.0	100.0	100.0	100.0	100.0	98.7	88.7	60.7	22.0	82.6	150
	10	100.0	100.0	100.0	100.0	98.7	81.3	56.0	12.0	6.0	71.2	150
	13	100.0	100.0	100.0	98.7	93.3	69.3	21.3	7.3	4.7	65.0	150
	16	100.0	100.0	100.0	99.3	94.0	70.0	27.3	7.3	2.7	65.3	150
	19	100.0	100.0	100.0	100.0	98.7	90.0	69.3	28.0	2.7	74.1	150
	22	100.0	100.0	100.0	100.0	100.0	94.7	84.0	52.7	12.0	80.0	150
TOTALS		100.0	100.0	100.0	99.8	98.1	87.6	64.8	36.8	11.2	75.4	1200

MONTH
130

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	100.0	100.0	89.0	61.3	20.6	82.4	155
	04	100.0	100.0	100.0	100.0	100.0	98.7	90.3	64.5	20.6	83.2	155
	07	100.0	100.0	100.0	100.0	99.4	98.1	87.7	66.5	20.6	82.9	155
	10	100.0	100.0	100.0	99.4	98.1	87.7	58.1	22.6	.6	71.9	155
	13	100.0	100.0	100.0	99.4	96.8	71.6	27.7	8.4	3.3	66.7	155
	16	100.0	100.0	100.0	100.0	98.7	77.9	34.4	11.7	3.9	68.2	154
	19	100.0	100.0	100.0	100.0	100.0	98.1	79.2	39.0	5.2	77.0	154
	22	100.0	100.0	100.0	100.0	100.0	98.1	83.8	52.6	14.3	80.6	154
TOTALS		100.0	100.0	100.0	99.9	99.1	91.3	68.8	40.8	11.1	76.6	1237

AAA

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22701
STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	100.0	98.0	88.6	70.5	46.3	12.8	77.0	149
	04	100.0	100.0	100.0	99.3	98.0	86.6	69.8	47.0	10.1	76.6	149
	07	100.0	100.0	100.0	100.0	99.3	89.3	73.3	46.7	12.0	77.6	150
	10	100.0	100.0	100.0	100.0	95.3	75.3	56.7	24.0	8.7	71.4	150
	13	100.0	100.0	100.0	100.0	93.3	64.7	38.7	15.3	3.3	67.4	150
	16	100.0	100.0	100.0	100.0	96.0	73.3	40.0	14.7	3.3	68.1	150
	19	100.0	100.0	100.0	100.0	99.3	88.7	62.7	34.7	6.7	74.8	150
	22	100.0	100.0	100.0	100.0	99.3	88.0	67.3	42.0	11.3	76.2	150
TOTALS		100.0	100.0	100.0	99.9	97.3	81.8	59.9	33.8	8.5	73.6	1198

NAVWEASERVCOM

MEMO

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	98.0	85.6	64.7	38.6	9.8	75.0	153
	04	100.0	100.0	100.0	100.0	98.0	84.3	66.7	43.1	12.4	75.9	153
	07	100.0	100.0	100.0	100.0	98.7	84.3	63.4	40.5	11.1	75.9	153
	10	100.0	100.0	100.0	99.3	94.8	71.9	49.0	22.2	9.8	70.1	153
	13	100.0	100.0	100.0	100.0	88.2	59.5	35.3	13.1	3.3	65.1	153
	16	100.0	100.0	100.0	100.0	90.9	61.0	33.8	14.9	4.5	66.1	154
	19	100.0	100.0	100.0	100.0	99.4	85.7	55.8	29.9	8.4	73.2	154
	22	100.0	100.0	100.0	100.0	97.4	85.7	62.3	39.0	8.4	74.8	154
TOTALS		100.0	100.0	100.0	99.9	95.7	77.3	53.9	30.2	8.5	72.0	1227

NAVWEASERVCOM

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

22701
STATION

MIDWAY ISLAND
STATION NAME

73-77
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	98.3	86.8	56.0	32.4	10.7	74.1	1240
FEB		100.0	100.0	100.0	100.0	97.3	84.7	58.8	35.6	12.5	74.4	1128
MAR		100.0	100.0	100.0	100.0	98.9	92.9	70.0	47.7	16.5	78.4	1240
APR		100.0	100.0	100.0	100.0	97.5	86.2	61.7	36.9	10.2	74.7	1200
MAY		100.0	100.0	99.7	98.2	96.8	89.4	71.5	46.5	13.0	77.2	1240
JUN		100.0	100.0	100.0	100.0	99.9	96.7	75.7	48.3	14.7	79.1	1200
JUL		100.0	100.0	100.0	100.0	98.4	87.9	60.3	31.5	6.0	73.8	1240
AUG		100.0	100.0	100.0	100.0	99.6	94.0	68.2	39.9	8.9	76.6	1240
SEP		100.0	100.0	100.0	99.8	98.1	87.6	64.8	36.8	11.2	75.4	1200
OCT		100.0	100.0	100.0	99.9	99.1	91.3	68.8	40.8	11.1	76.6	1237
NOV		100.0	100.0	100.0	99.9	97.3	81.8	59.9	33.8	8.5	73.6	1198
DEC		100.0	100.0	100.0	99.9	95.7	77.3	53.9	30.2	8.5	72.0	1227
TOTALS		100.0	100.0	100.0	99.8	98.1	88.1	64.1	38.4	11.0	75.5	14590

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

MIDWAY ISLAND

22701

STATION

JAN 1973 - DEC 1977

YEARS

JANUARY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	1.2	1.2	6.2	6.8	71.4	26.6	11.8	1.9	.6	14	1.1
67 TO 71	5.8	1.9	6.9	6.4	19.9	50.3	11.8	11.9	2.7	161	13.0
62 TO 66	15.7	6.7	6.2	7.1	17.0	28.6	18.8	26.6	2.4	377	30.4
57 TO 61	30.9	14.2	4.4	.5	4.5	8.6	22.3	24.5	9.3	466	37.6
52 TO 56	33.3	22.2			2.9	2.5	10.8	27.8	16.7	204	16.5
47 TO 51										18	1.5
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.4	5.9	6.0	5.6	10.7	19.2	17.4	18.3	3.5	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701 MIDWAY ISLAND

JAN 1973 - DEC 1977

FEBRUARY ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	11.2	15.7	12.8	9.7	15.2	14.8	8.7	9.3	3.7	1128	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701
STATION

MIDWAY ISLAND

STATION NAME

JAN 1973 - DEC 1977

YEARS

MARCH

MONTH

ALL

HOURS (LST)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	2.4		2.4	14.3	31.0	45.2	4.8			42	3.4
72 TO 76	1.0	4.0	12.6	20.2	36.4	21.7	3.0		1.0	198	16.0
67 TO 71	3.4	11.1	27.3	16.1	18.4	11.6	8.4	2.5	1.1	440	35.5
62 TO 66	15.5	29.4	29.4	4.6	3.9	6.1	5.3	4.9	1.0	412	33.2
57 TO 61	41.4	24.2	9.4	.8			5.5	14.1	4.7	128	10.3
52 TO 56	65.0	15.0					10.0	5.0	5.0	20	1.6
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.9	17.1	22.5	11.0	14.7	11.1	6.1	4.0	1.5	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701
STATION

MIDWAY ISLAND

JAN 1973 - DEC 1977

APRIL

ALL

STATION NAME

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	9.5	9.5	28.6	38.1	14.3					21	1.8
72 TO 76	3.5	6.1	36.7	22.3	17.0	5.7	3.5	3.5	1.7	229	19.1
67 TO 71	5.3	17.2	45.6	15.5	7.6	2.7	3.1	1.4	1.6	489	40.8
62 TO 66	12.2	30.3	49.5	2.4	.5	.3	.8	1.6	2.4	370	30.8
57 TO 61	24.4	54.4	20.0					1.1	1.1	90	7.5
52 TO 56		100.0								1	.1
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	8.4	21.6	42.9	11.3	7.0	2.9	2.4	1.6	1.6	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701 MIDWAY ISLAND

JAN 1973 - DEC 1977

MAY ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				100.0						2	.2
77 TO 81	3.1	2.5	16.3	35.9	27.5	10.0	1.9	1.9		160	12.9
72 TO 76	4.2	7.8	26.9	26.9	19.5	9.0	2.0	2.4	1.4	391	47.7
67 TO 71	4.1	24.5	44.4	9.8	8.0	1.8	2.1	.9	4.6	437	35.2
62 TO 66	4.0	52.0	24.0	8.0					12.0	50	4.0
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	4.0	14.8	31.5	21.5	15.6	6.1	1.9	1.7	2.7	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701
STATION

MIDWAY ISLAND

JAN 1973 - DEC 1977

JUNE ALL

HOURS (L.S.T.)

MONTH

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	5.3	4.4	23.7	24.6	7.9	13.2	19.3	1.8		114	9.5
77 TO 81	1.1	4.2	23.1	17.8	20.9	15.8	12.1	3.1	2.0	455	37.9
72 TO 76	3.5	4.6	26.5	18.2	11.5	13.3	10.3	3.7	8.1	543	45.3
67 TO 71	16.0	24.7	17.3	3.7	3.7	8.6	13.6	7.4	4.9	81	6.8
62 TO 66		71.4	14.3					14.3		7	.6
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVP											
TOTALS	3.6	6.2	24.3	17.6	14.3	13.8	12.0	3.6	4.0	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701
STATION

MIDWAY ISLAND

JAN 1973 - DEC 1977

STATION NAME

YEARS

JULY

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	1.0	1.7	53.0	22.5	9.9	7.5	2.5	1.0	.7	302	24.4
77 TO 81	1.1	3.8	60.8	18.8	6.5	6.0	1.1	1.0	.8	612	49.4
72 TO 76	1.0	9.9	65.0	8.9	5.1	2.2	.6	1.0	6.4	314	25.3
67 TO 71		8.3	58.3	16.7	8.3				8.3	12	1.0
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.0	4.8	59.9	17.2	7.0	5.4	1.4	1.0	2.3	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

22701
STATION

MIDWAY ISLAND

JAN 1973 - DEC 1977

YEARS

STATION NAME

AUGUST

MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91					100.0				1	.1
82 TO 86	.9	5.3	35.4	34.0	9.7	6.6	2.8	.3	318	25.6
77 TO 81	2.4	9.8	44.5	24.0	10.5	4.5	1.4	1.4	622	50.2
72 TO 76	5.8	16.6	36.3	13.6	11.2	3.7	2.0	9.2	295	23.8
67 TO 71	25.0	25.0	25.0	25.0	25.0	25.0			4	.3
62 TO 66										
57 TO 61										
52 TO 56										
47 TO 51										
42 TO 46										
37 TO 41										
32 TO 36										
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LWR										
TOTALS	2.9	10.2	40.9	24.0	10.5	5.0	1.9	3.0	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

 22701
STATION

 MIDWAY ISLAND
STATION NAME

 JAN 1973 - DEC 1977
YEARS

 SEPTEMBER
MONTH

 ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP. & N	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	33.3	33.3						33.3		3	.3
82 TO 86	3.9	12.3	41.7	16.7	10.3	6.5	4.8	1.3	2.2	228	19.0
77 TO 81	4.5	16.5	41.5	12.3	11.2	3.4	4.3	2.7	3.4	552	46.0
72 TO 76	4.4	21.8	37.9	9.5	7.7	2.1	3.1	4.1	9.5	390	32.5
67 TO 71	19.2	15.4	7.7	11.5	3.8				42.3	26	2.2
62 TO 66				100.0						1	.1
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.7	17.4	39.6	12.3	9.8	3.5	3.9	2.9	6.0	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701

MIDWAY ISLAND

STATION

JAN 1973 - DEC 1977

YEARS

OCTUBER

MONTH

ALL

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	14.3	14.3					42.9	28.6		7	.6
82 TO 86	2.4	4.8	15.5	6.3	25.0	10.7	27.4	3.6	2.4	84	6.8
77 TO 81	6.4	15.9	26.3	14.2	16.6	6.6	6.2	3.6	4.3	422	34.1
72 TO 76	3.2	26.2	33.4	10.8	7.9	2.9	2.6	2.4	8.6	581	47.0
67 TO 71	12.0	45.1	18.0	1.5	1.5	1.5	4.5	2.3	13.5	133	10.8
62 TO 66		30.0	10.0						60.0	10	.8
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.1	23.2	27.8	10.7	11.2	6.5	5.9	3.0	7.6	1237	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701
STATION

MIDWAY ISLAND

JAN 1973 - DEC 1977

NOVEMBER

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	6.7	3.3	20.0	30.0	30.0	3.3	6.7			30	2.5
77 TO 81	3.0	5.5	30.9	21.2	22.9	7.6	5.5	.8	2.5	236	19.7
72 TO 76	7.6	11.9	32.3	11.8	7.3	7.6	10.8	5.6	5.0	336	44.7
67 TO 71	24.9	27.9	18.0	1.3	1.6	3.9	7.5	9.2	5.6	303	25.4
62 TO 66	27.8	29.1	3.8	1.3			3.8	22.8	11.4	79	6.6
57 TO 61	78.6	7.1					7.1	7.1		14	1.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	13.3	15.6	25.8	10.6	8.9	6.0	8.3	6.6	4.9	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701
STATION

MIDWAY ISLAND

JAN 1973 - DEC 1977

DECEMBER

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.3	10.1	15.2	5.4	11.5	13.9	14.3	9.9	6.5	1227	100.0

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22701 MIDWAY ISLAND

STATION

JAN 1973 - DEC 1977

ALL

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	7.8	13.5	29.2	13.0	11.3	8.8	7.0	5.3	4.0	14592	100.0

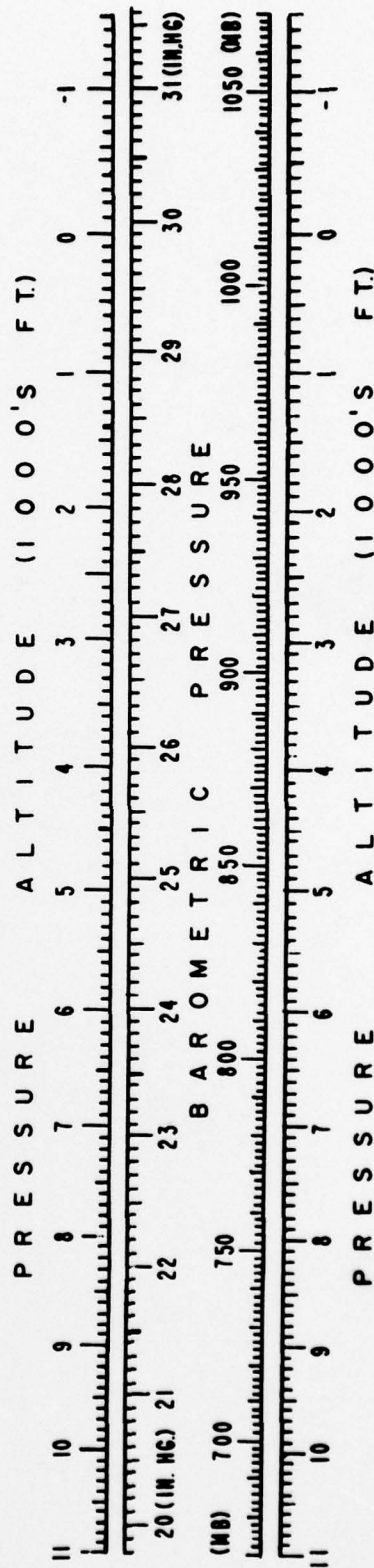
NAVWEASERVCOM

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

22701 MIDWAY ISLAND

73-77

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	29.892 S. D. TOTAL OBS	30.053 .170 155	30.099 .151 155	30.189 .088 150	30.113 .100 155	30.043 .104 150	30.109 .070 155	30.072 .075 155	30.032 .104 150	30.064 .083 155	30.041 .140 150	30.012 .149 153	30.060 .143 1824
04	29.872 S. D. TOTAL OBS	30.025 .170 155	30.065 .152 155	30.155 .087 150	30.081 .102 155	30.021 .106 150	30.084 .069 155	30.045 .075 155	30.005 .102 150	30.037 .085 155	30.018 .139 150	30.029 .149 153	30.033 .141 1824
07	29.879 S. D. TOTAL OBS	30.036 .171 155	30.080 .152 155	30.175 .085 150	30.102 .102 155	30.039 .104 150	30.101 .071 155	30.061 .076 155	30.023 .102 150	30.056 .085 155	30.029 .139 150	30.001 .149 153	30.048 .143 1824
10	29.918 S. D. TOTAL OBS	30.079 .170 155	30.115 .154 155	30.206 .086 150	30.125 .104 155	30.054 .103 150	30.121 .068 155	30.084 .074 155	30.053 .100 150	30.092 .084 155	30.064 .142 150	30.041 .151 153	30.079 .142 1824
13	29.881 S. D. TOTAL OBS	30.049 .172 155	30.091 .155 155	30.186 .086 150	30.110 .102 155	30.051 .103 150	30.111 .068 155	30.069 .074 155	30.027 .101 150	30.056 .085 155	30.022 .141 150	30.029 .149 153	30.054 .145 1824
16	29.854 S. D. TOTAL OBS	30.013 .169 155	30.053 .156 155	30.149 .084 150	30.080 .100 155	30.025 .103 150	30.083 .068 155	30.040 .074 155	30.029 .098 150	30.073 .086 154	30.000 .138 150	30.029 .148 154	30.024 .143 1824
19	29.884 S. D. TOTAL OBS	30.038 .165 155	30.075 .153 155	30.164 .085 150	30.086 .100 155	30.029 .103 150	30.084 .068 155	30.046 .074 155	30.010 .098 150	30.022 .085 154	30.028 .139 150	30.004 .150 154	30.041 .139 1824
22	29.910 S. D. TOTAL OBS	30.069 .168 155	30.113 .153 155	30.206 .093 150	30.121 .099 155	30.062 .102 150	30.119 .068 155	30.084 .075 155	30.046 .101 150	30.082 .085 154	30.054 .140 150	30.029 .152 154	30.075 .142 1824
ALL HOURS	29.886 S. D. TOTAL OBS	30.045 .170 1240	30.086 .154 1240	30.179 .089 1200	30.102 .102 1240	30.041 .104 1200	30.101 .070 1240	30.063 .076 1240	30.023 .102 1200	30.058 .087 1237	30.032 .141 1200	30.006 .150 1227	30.052 .143 14592

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

22701 MIDWAY ISLAND

73-77

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	1013.3 6.835 155	1018.8 5.753 141	1020.3 5.118 155	1023.4 2.962 150	1020.7 3.367 153	1018.6 3.490 150	1020.7 2.352 155	1019.4 2.548 155	1018.1 3.520 150	1019.1 2.803 155	1018.4 4.730 150	1017.4 5.051 153	1019.0 4.833 1824
04	1012.6 6.868 155	1017.8 5.749 141	1019.2 5.135 155	1022.2 2.921 150	1019.7 3.456 155	1017.7 3.560 150	1019.8 2.337 155	1018.5 2.543 155	1017.1 3.451 150	1018.2 2.859 155	1017.6 4.723 150	1016.7 5.045 153	1018.1 4.789 1824
07	1012.9 6.908 155	1018.2 5.780 141	1019.7 5.165 155	1022.9 2.855 150	1020.4 3.481 155	1018.3 3.522 150	1020.4 2.367 155	1019.1 2.538 155	1017.8 3.439 150	1018.9 2.851 155	1018.0 4.683 150	1017.0 5.043 153	1018.6 4.845 1824
10	1014.2 6.975 155	1019.5 5.783 141	1020.9 5.192 155	1023.9 2.898 150	1021.2 3.512 155	1019.0 3.474 150	1021.1 2.299 155	1019.8 2.484 155	1018.8 3.382 150	1020.1 2.825 155	1019.1 4.786 150	1018.4 5.087 153	1019.7 4.809 1824
13	1012.9 6.923 155	1018.6 5.821 141	1020.1 5.217 155	1023.3 2.889 150	1020.7 3.444 155	1018.7 3.507 150	1020.7 2.292 155	1019.3 2.498 155	1017.9 3.410 150	1018.9 2.858 155	1017.7 4.770 150	1017.0 5.044 153	1018.8 4.904 1824
16	1012.0 6.829 155	1017.4 5.718 141	1018.8 5.291 155	1022.0 2.847 150	1019.7 3.414 155	1017.8 3.487 150	1019.8 2.261 155	1018.1 2.475 155	1016.7 3.354 150	1017.9 2.900 154	1017.0 4.675 150	1016.1 5.022 154	1017.8 4.836 1824
19	1013.1 6.729 155	1018.3 5.571 141	1019.5 5.198 155	1022.5 2.843 150	1019.9 3.327 155	1017.9 3.479 150	1019.8 2.298 155	1018.5 2.500 155	1017.3 3.317 150	1018.7 2.874 154	1017.9 4.724 150	1017.1 5.051 154	1018.4 4.711 1824
22	1013.9 6.712 155	1019.3 5.662 141	1020.8 5.176 155	1023.8 2.831 150	1021.1 3.344 155	1019.1 3.463 150	1021.0 2.287 155	1019.8 2.516 155	1018.6 3.415 150	1019.8 2.876 154	1018.8 4.723 150	1018.0 5.155 154	1019.5 4.784 1824
ALL HOURS	1013.1 6.859 1240	1018.5 5.750 1128	1019.9 5.221 1240	1023.0 2.949 1200	1020.4 3.456 1240	1018.4 3.523 1200	1020.4 2.361 1240	1019.1 2.567 1240	1017.8 3.464 1200	1019.0 2.929 1237	1018.1 4.759 1200	1017.2 5.092 1227	1018.7 4.851 14592